GROWTH & CHANGE

25 Years of Population Development in Nova Scotia

JULY 1988

Nova Scotia
Department of Municipal Affairs
Community Planning Division
P.O. Box 216, Halifax, Nova Scotia
B3J 2M4 Phone 424-4141

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25 YEARS OF POPULATION

DEVELOPMENT IN NOVA SCOTIA

COMMUNITY PLANNING DIVISION
DEPARTMENT OF MUNICIPAL AFFAIRS

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GROWTH AND CHANGE: 25 YEARS OF POPULATION DEVELOPMENT IN NOVA SCOTIA

I. INTRODUCTION

The total population of Nova Scotia was 876,176 in 1986. It has grown by 136,000 people or almost 20 percent in the quarter century since 1961 (See Chart 1). However, a large proportion of this increase took place in Halifax County. The increase for the rest of the Province was only 55,000 people, for a growth rate of just over 10 percent.

Table 1 shows that the highest inter-censal growth periods were in the decade from 1966 to 1976, when the Province grew by 5 percent in each five-year period. On the other hand, at the beginning of the period, from 1961 to 1966, there was actually a slight decline in the total population outside Halifax County.

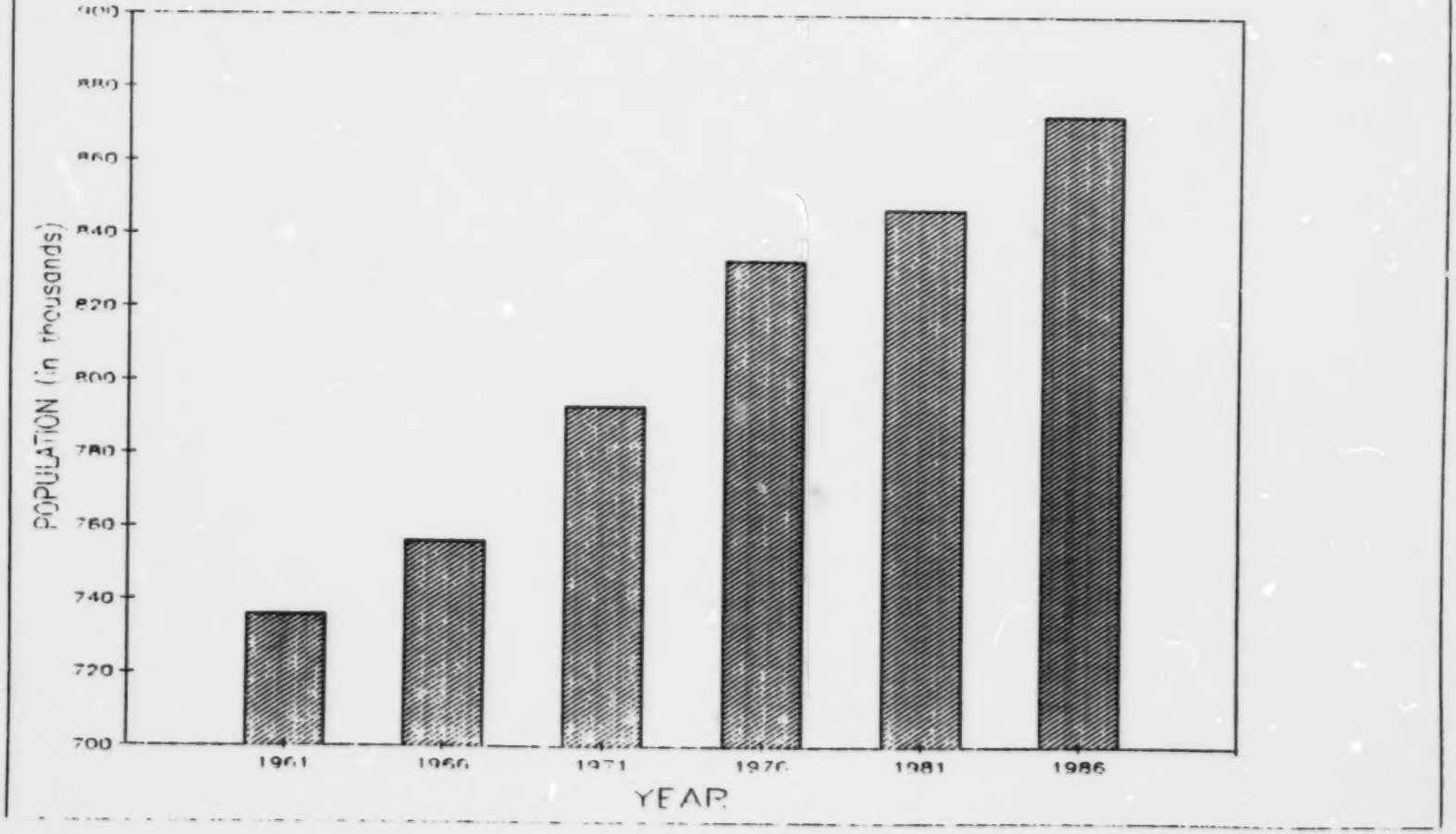
The purpose of this report is to show the distribution of total population growth within the Province. At the level of counties, the rural municipalities, the towns or cities and the Indian Reserves are aggregated. Figures for the rural municipalities alone omit the urban areas and Indian Reserves. The rural census subdivisions break the larger rural municipalities up into several sections. Finally, the urban municipalities are treated by themselves.

Table 1 : Growth in Provincial Population 1961-86

Census Year	Total Prov. Popn.	Inter-Censal Change Percent	Inter-Censal Change Absolute	Index (1961= 100.0)	Prov. w/o Hfx. Co.	Inter-Censal Change Percent	Inter-Censal Change Absolute	Index 1961= 100.0)
1986	873,176			118.48	566,758			110.85
		3.03%	25,720			1.33%	7,417	
1981	847,456			114.99	559,341			109.40
		1.68%	13,974			1.70%	9,353	
1976	833,482			113.09	549,988			107.57
		5.01%	39,747			4.26%	22,461	
1971	793,735			107.70	527,527			103.18
		4.99%	37,708			3.22%	16,436	
1966	756,027			102.58	511,091			99.96
		2.58%	19,029			-0.04%	(193)	
1961	736,998			100.00	511,284			100.00

Throughout all tables in this report, brackets around a number indicate a negative value.

Chart 1 : TOTAL PROVINCIAL POPULATION
1961–1986



The method of presentation used throughout the report is the placing of numerical data in a tabular format. However, Charts 2 and 3 provide a pictorial representation, which allows for a ready comparison of counties. In Chart 2, the 18 counties are ranked in terms of 1986 total population. The proportion of the total population in rural municipalities and Indian Reserves is readily comparable to the proportion in incorporated town or cities. Chart 3 places the counties in the same ordering and shows the percentage change in population over the 25 years between 1961 and 1986.

The final section of the report details the population trends in each of the five inter-censal periods. However, looking at five distinct periods of past history is not the best way to directly relate trends to the present. The approach taken in the earlier sections is to compare the population of three years: namely, 1981, 1976 and 1961, to that of the present (1986).

The three time perspectives thus created are termed the short (5 years), the medium term (a decade), and the long term (a quarter century) respectively.

Percentage change figures are given in all cases, but they are not left to stand on their own. They are instead used as a basis for ranking the counties, rural municipalities, rural census subdivisions, or urban municipalities in descending order according to growth rates. Division of the ranking into groups by growth rate relative to that of the province or simply into quartiles or quintiles enables mapping other more straight forward comparison among differing time periods.

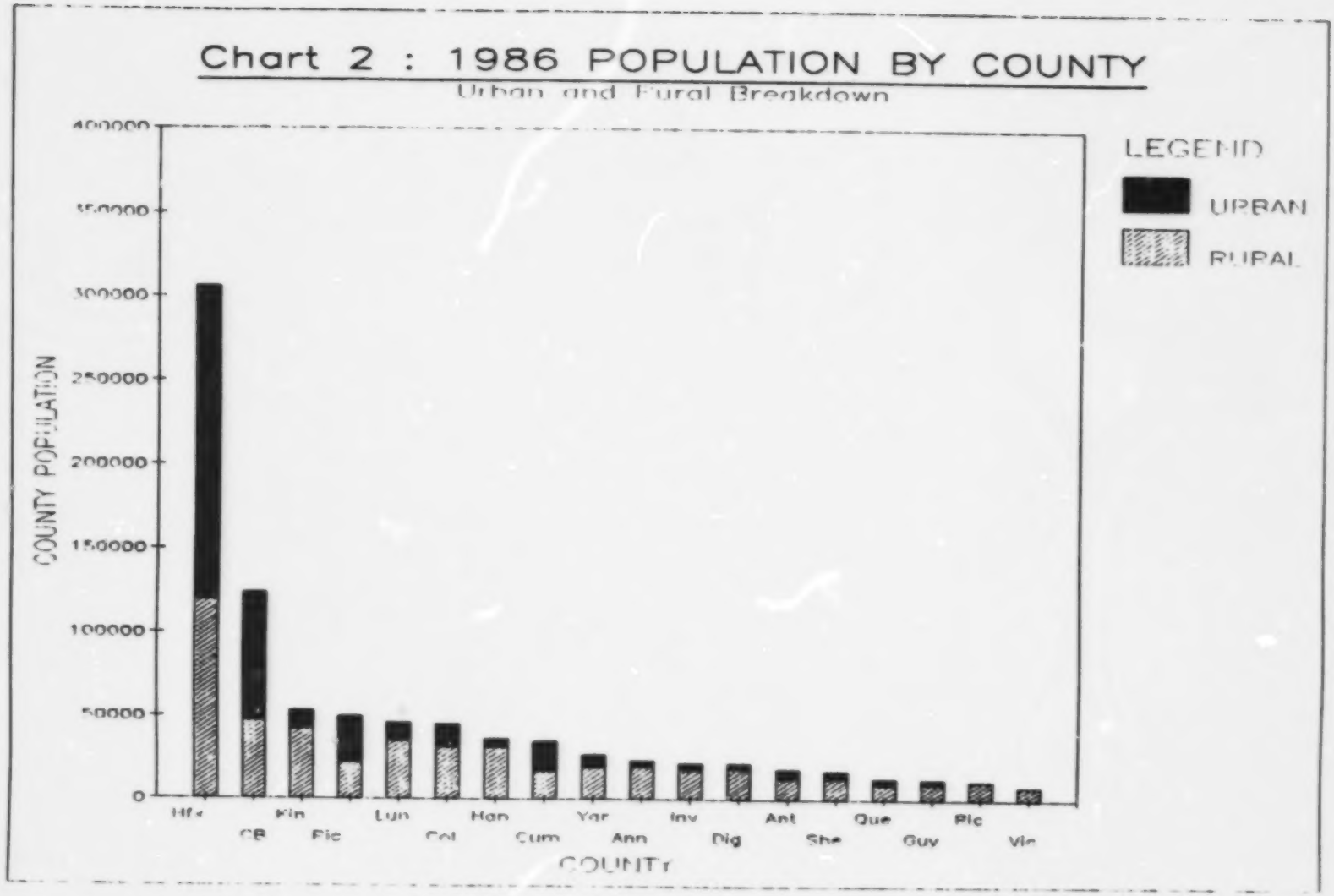
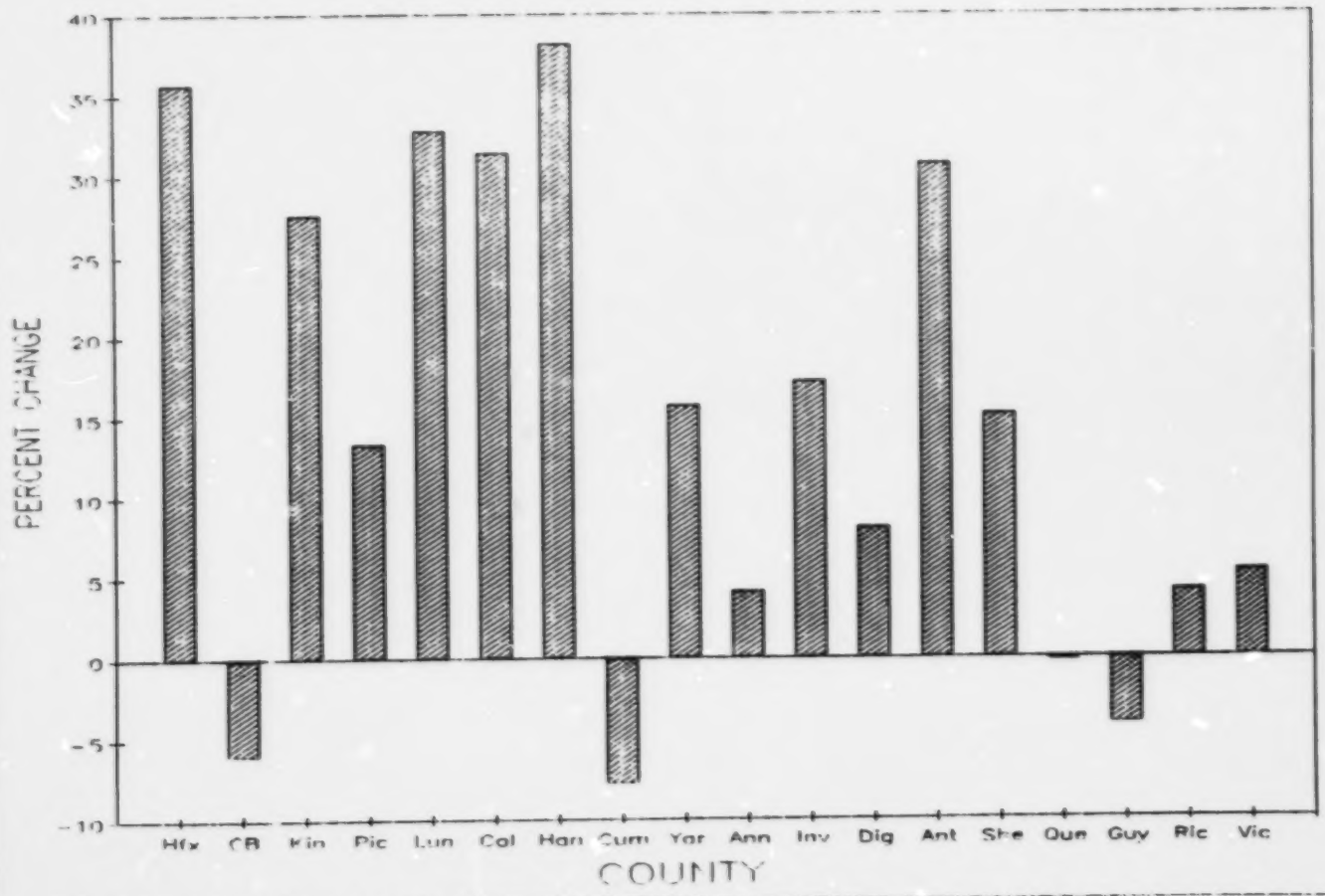


Chart 2 : 1986 POPULATION BY COUNTY
Urban and Rural Breakdown
LEGEND
URBAN
RURAL
COUNTY POPULATION
400000
350000
300000
250000
200000
150000
100000
50000
0
Hfx
CB
Kin
Pic
Lun
Col
Han
Cum
Yar
Ann
Inv
Dig
Ant
She
Que
Guy
Pic
Vic
COUNTY

Chart 3 : POPULATION CHANGE IN COUNTIES

1961 - 1986



II. THE SHORT TERM: 1981-86

The Province overall grew by 25,000 people or 3 percent in the last five years (1981 to 1986). Omitting Halifax County leaves an increase of 7,000 people or slightly over 1 percent growth throughout the remainder of the Province.

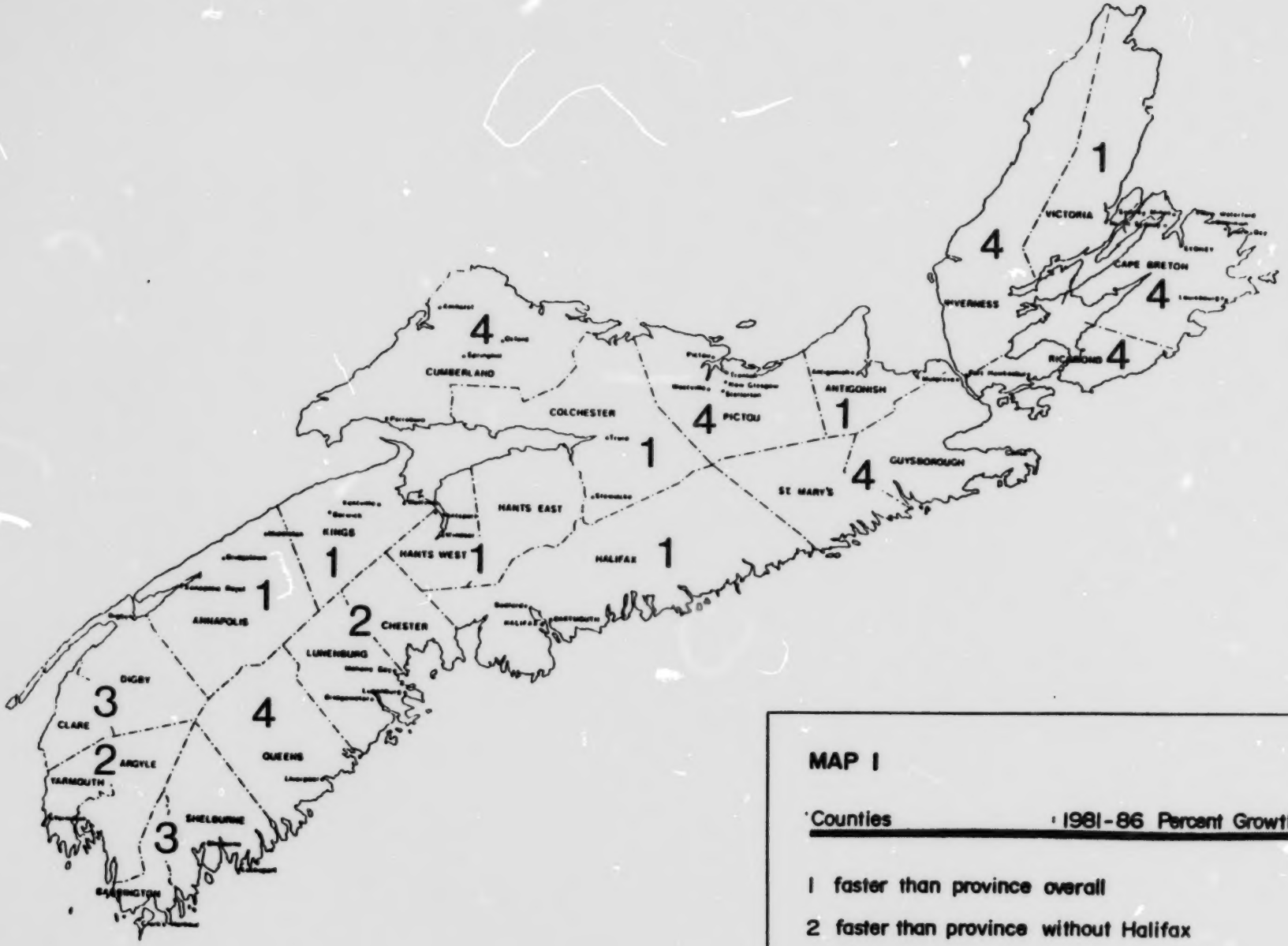
From Table 2 and Map 1, seven counties grew faster than the Province overall: the three central counties of Halifax, Hants and Colchester, the two western counties of Kings and Annapolis, and two of the seven eastern counties, Antigonish and Victoria. The other two growing faster than the Province without Halifax County were Lunenburg, adjacent to Halifax, and Yarmouth in the far west.

Seven counties actually declined in population: 5 of the seven eastern counties, Queens in the west, and Cumberland in the centre. Shelburne and Digby, the remaining western counties, grew more slowly than the Province without Halifax County.

The seven western counties had the most diverse growth record, with representatives in all four growth classes. The central and eastern sections were, on the other hand, polarized into the fast growth and decline extremes. Three out of four central counties exhibited fast growth: five out of seven eastern counties suffered a decline.

Table 2 : Population Change in Counties 1981-86

County	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.
Hants	36,548	10.35%	3,427	33,121
Kings	53,275	7.11%	3,536	49,739
Halifax	306,418	6.35%	18,303	288,115
Annapolis	23,589	4.74%	1,068	22,521
Colchester	45,093	4.32%	1,869	43,224
Antigonish	18,776	3.69%	669	18,107
Victoria	8,704	3.23%	272	8,432
Yarmouth	27,073	2.98%	783	26,290
Lunenburg	46,483	1.61%	737	45,746
Shelburne	17,516	1.08%	188	17,328
Digby	21,852	0.76%	164	21,688
Queens	13,125	-0.01%	(1)	13,126
Guysborough	12,721	-0.24%	(31)	12,752
Cumberland	34,819	-1.17%	(412)	35,231
Pictou	49,772	-1.21%	(608)	50,380
Inverness	21,946	-1.75%	(391)	22,337
Cape Breton	123,625	-2.68%	(3,410)	127,035
Richmond	11,841	-3.61%	(443)	12,284
Province	873,176	3.03%	25,720	847,456
Without Halifax	566,758	1.33%	7,417	559,341



MAP I

Counties	1981-86 Percent Growth
1	faster than province overall
2	faster than province without Halifax
3	slower than province
4	absolute decline

Narrowing down the focus to the rural municipalities gives a higher growth rate: 6 percent for all 24 rural municipalities, and 4 percent for all except Halifax (Table 3). This faster growth results in the rural areas increasing their share of the provincial population from 54.4 percent to 55.9 percent.

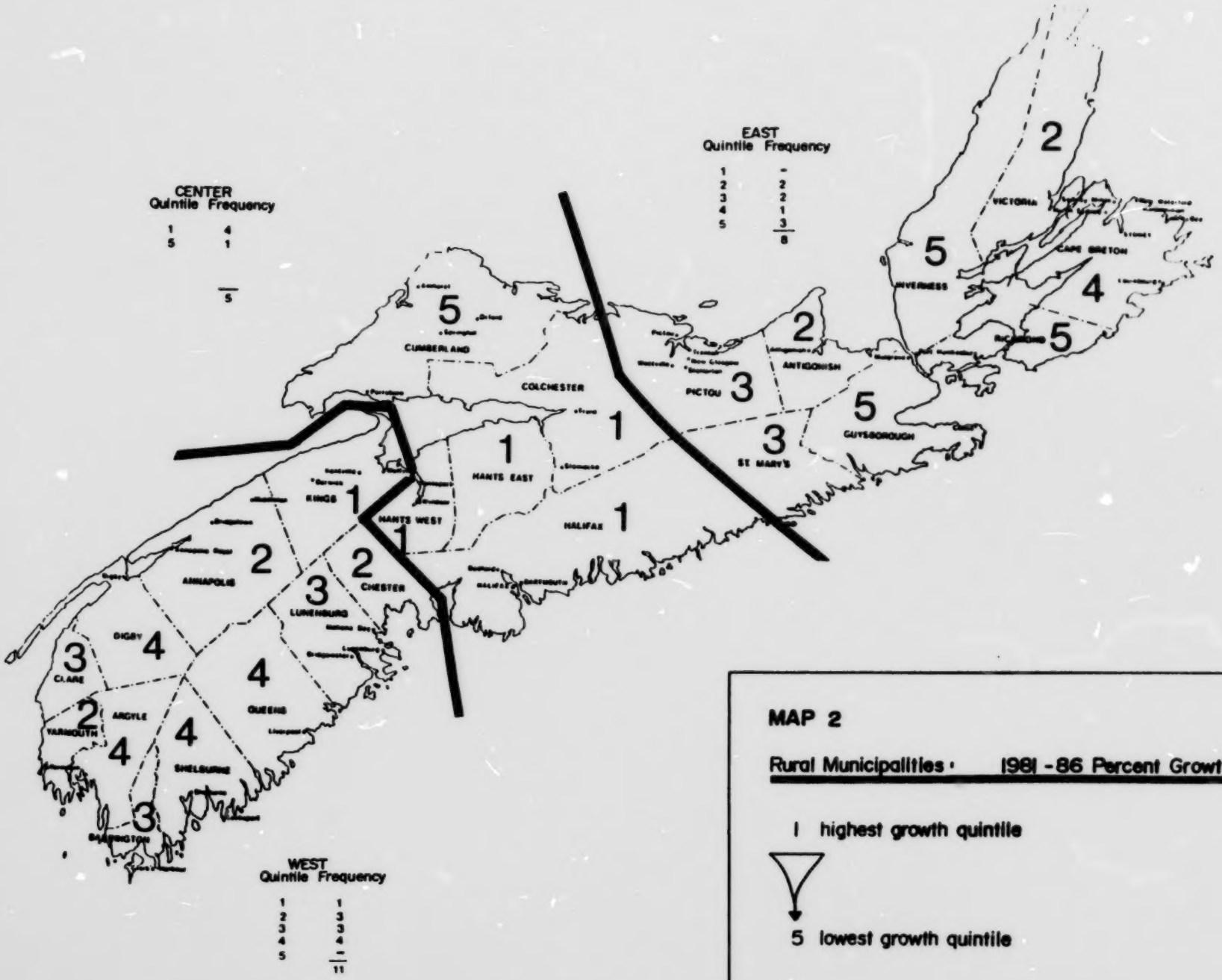
For the sake of analysis, the municipalities are ranked by growth rate and divided into five groups of equal size, or quintiles. Only the top or first quintile grows faster than all rural municipalities combined: only the bottom or fifth exhibits decline in population.

The western counties contain 11 rural municipalities. Only one, Kings, is in the top quintile, and there are none in the bottom. There are bands of relatively faster growth at either end of the region, around Yarmouth and nearer Halifax, and a separating band of relatively slower growth (Map 2). Four out of the five central area rural municipalities are in the top quintile, the remaining one - Cumberland - is in the bottom quintile.

Among the eight rural municipalities of the eastern region, three - Inverness, Richmond and Guysborough - are in the bottom quintile, while Cape Breton is in the fourth quintile with just over 1 percent growth. Because the urban municipalities are left out, the decline situation for

Table 3 : Population Changes in Rural Municipalities 1981-1986

Rural Munic.	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.
Hants East	17,501	16.67%	2,501	15,000
Halifax	119,569	14.47%	15,110	104,459
Kings	42,662	7.26%	2,889	39,773
Hants West	13,345	7.15%	891	12,454
Colchester	31,242	6.77%	1,980	29,262
Annapolis	20,051	5.48%	1,042	19,009
Yarmouth	10,380	5.47%	538	9,842
Antigonish	13,294	4.41%	562	12,732
Chester	10,579	3.29%	337	10,242
Victoria	8,366	2.70%	220	8,146
Pictou	22,510	2.56%	562	21,948
Lunenburg	25,196	2.45%	603	24,593
St. Mary's	3,091	2.01%	61	3,030
Barrington	7,824	1.88%	144	7,680
Clare	9,740	1.48%	142	9,598
Cape Breton	45,258	1.28%	570	44,688
Argyle	9,055	1.18%	106	8,949
Digby	9,543	0.51%	48	9,495
Queens	9,830	0.30%	29	9,801
Shelburne	5,365	0.15%	8	5,357
Cumberland	17,331	-0.29%	(51)	17,382
Guysborough	7,294	-1.00%	(74)	7,368
Inverness	17,668	-2.02%	(364)	18,032
Richmond	11,624	-3.79%	(458)	12,082
Total	488,318	5.94%	27,396	460,922
% of Prov.	55.92%			54.39%
Province	873,176	3.03%	25,720	847,456
Total w/o Hfx. Co.	368,749	3.45%	12,286	356,463
% of Prov. w/o Hfx. Co	65.06%			63.73%
Prov. total w/o Hfx. Co	566,758	1.33%	12,286	559,341



MAP 2

Rural Municipalities: 1981-86 Percent Growth

1 highest growth quintile

5 lowest growth quintile

the overall County of Cape Breton switches to a slight growth for the rural municipality alone. A similar change occurs for Queens and Pictou. Evidently urban population decline was significant in these three counties.

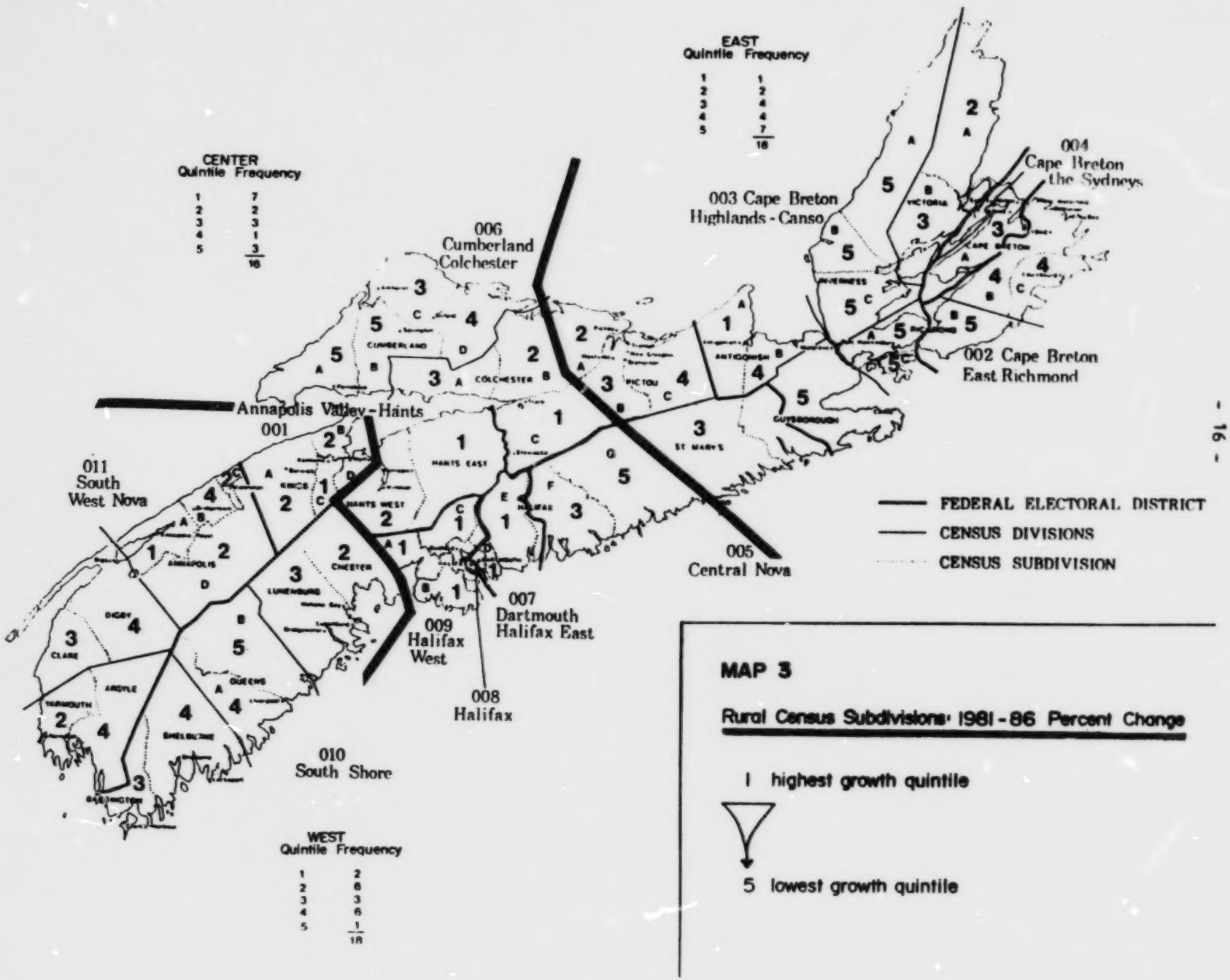
The final step down in geographical detail provides results for the rural census subdivisions in Table 4 and Map 3, ranked in descending order and divided into quintiles. The map distribution tells broadly the same story once again: 7 out of 16 census subdivisions in the central region are in the top quintile, while 7 out of 18 in the eastern region are in the bottom quintile, which is almost entirely declining subdivisions. The 18 western region subdivisions are, on the other hand, mostly concentrated in the middle 3 quintiles.

Areas of decline or growth within those rural municipalities further divided into subdivisions can be seen. Every area in Inverness and Richmond is in the lowest quintile, but otherwise only the western half of Cumberland, the eastern half of Queens and the far eastern portion of Halifax showed actual decline.

The Halifax Census Metropolitan Area, East Hants, and southern Colchester form a solid core area of highest quintile growth. There are three isolated areas in the top quintile in eastern Annapolis, south-central Kings, and western Antigonish.

Table 4 : 1981-86 Population Changes in Rural Census Subdivisions

Census Subdivision	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.
Halifax D	32,254	23.81%	6,202	26,052
Hants E.	17,501	16.67%	2,501	15,000
Kings C	6,813	16.16%	948	5,865
Halifax C	38,503	14.66%	4,922	33,581
Halifax E	16,148	12.12%	1,746	14,402
Halifax A	9,028	12.04%	970	8,058
Halifax B	13,220	10.31%	1,236	11,984
Colchester C	11,569	8.22%	879	10,690
Annapolis A	8,619	8.17%	651	7,968
Antigonish A	6,718	7.89%	491	6,227
Kings A	20,122	7.30%	1,369	18,753
Hants W.	13,345	7.15%	891	12,454
Colchester B	16,096	6.60%	997	15,099
Annapolis D	2,668	5.66%	143	2,525
Kings B	10,636	5.51%	555	10,081
Yarmouth M.	10,380	5.47%	538	9,842
Pictou A	6,622	4.94%	312	6,310
Annapolis C	4,551	4.52%	197	4,354
Chester	10,579	3.29%	337	10,242
Victoria A	3,826	3.21%	119	3,707
Colchester A	3,577	2.99%	104	3,473
Halifax F	6,033	2.99%	175	5,858
Cape Breton A	17,832	2.94%	509	17,323
Pictou B	6,447	2.89%	181	6,266
Cumberland C	4,783	2.62%	122	4,661
Lunenburg M.	25,196	2.45%	603	24,593
Victoria B	4,540	2.28%	101	4,439
St. Mary's	3,091	2.01%	61	3,030
Barrington	7,824	1.88%	144	7,680
Clare	9,740	1.48%	142	9,598
Annapolis B	4,213	1.23%	51	4,162
Argyle	9,055	1.18%	106	8,949
Antigonish B	6,576	1.09%	71	6,505
Queens A	3,310	0.98%	32	3,278
Pictou C	9,441	0.74%	69	9,372
Cumberland D	4,810	0.56%	27	4,783
Digby M.	9,543	0.51%	48	9,495
Cape Breton C	2,800	0.43%	12	2,788
Kings D	5,091	0.34%	17	5,074
Cape Breton B	24,626	0.20%	49	24,577
Shelburne M.	5,365	0.15%	8	5,357
Queens B	6,520	-0.05%	(3)	6,523
Cumberland B	4,585	-0.37%	(17)	4,602
Inverness B	6,483	-0.40%	(26)	6,509
Guysborough	7,294	-1.00%	(74)	7,368
Inverness A	7,037	-1.85%	(133)	7,170
Halifax G	4,376	-3.04%	(137)	4,513
Richmond C	4,645	-3.37%	(162)	4,807
Richmond A	4,702	-3.63%	(177)	4,879
Inverness C	4,148	-4.71%	(205)	4,353
Richmond B	2,277	-4.97%	(119)	2,396
Cumberland A	3,153	-5.49%	(183)	3,336


EAST
Quintile Frequency
1 1
2 2
3 4
4 4
5 7
18
CENTER
Quintile Frequency
1 7
2 2
3 3
4 1
5 3
18
WEST
Quintile Frequency
1 2
2 6
3 3
4 6
5 1
18
003 Cape Breton
Highlands - Canso
004
Cape Breton
the Sydneys
002 Cape Breton
East Richmond
006
Cumberland
Colchester
Annapolis Valley - Hants
001
011
South
West Nova
005
Central Nova
007
Dartmouth
Halifax East
009
Halifax
West
008
Halifax
010
South Shore
FEDERAL ELECTORAL DISTRICT
CENSUS DIVISIONS
CENSUS SUBDIVISION
MAP 3
Rural Census Subdivisions: 1981 - 86 Percent Change
1 highest growth quintile
5 lowest growth quintile

Isolated areas of low fourth-quintile growth surrounded by high, second-quintile growth show themselves in central Annapolis and eastern Kings.

Apart from these anomalous areas of low or high growth, the general pattern is one of a high-growth core area surrounded by several rings of lower-level growth, each lower than the next closer-in ring. Cape Breton and Victoria at one end of the Province and Yarmouth, Clare and Barrington at the other extreme end do not form part of this radiating pattern.

The urban municipalities are listed in descending order of growth rates in Table 5. Of the 42 towns and cities, only 14 showed any increase in population. Overall, towns and cities lost over 2,000 people, for a 0.6 percent decrease in population and a drop from constituting 45.9 percent of the provincial population to only 43.5 percent. If the metropolitan area is omitted, the urban municipalities collectively lost over 5,000 people and declined 2.7 percent.

Table 5 : Population Change in Urban Municipalities 1981-86

Town or City	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.
Berwick	2,058	21.13%	359	1,699
Bedford	8,010	18.19%	1,233	6,777
Stewiacke	1,265	7.75%	91	1,174
Bridgetown	1,118	6.78%	71	1,047
Dartmouth	65,243	4.76%	2,966	62,277
Kentville	5,208	4.70%	234	4,974
Clark's Harbour	1,098	3.68%	39	1,059
Canso	1,285	2.39%	30	1,255
Yarmouth T.	7,617	1.90%	142	7,475
Antigonish	5,291	1.71%	89	5,202
Wolfville	3,277	1.30%	42	3,235
Windsor	3,665	0.52%	19	3,646
Port Hawkesbury	3,869	0.49%	19	3,850
Shelburne T.	2,312	0.39%	9	2,303
Annapolis Royal	631	0.00%	0	631
Amherst	9,671	-0.13%	(13)	9,684
Liverpool	3,295	-0.27%	(9)	3,304
Bridgewater	6,617	-0.78%	(52)	6,669
Halifax	113,577	-0.89%	(1,017)	114,594
Digby T.	2,525	-1.29%	(33)	2,558
Lockeport	917	-1.29%	(12)	929
Lunenburg T.	2,972	-1.39%	(42)	3,014
Trenton	3,083	-2.25%	(71)	3,154
Hantsport	1,357	-2.72%	(38)	1,395
Stellarton	5,259	-3.24%	(176)	5,435
Middleton	1,772	-3.38%	(62)	1,834
Truro	12,124	-3.41%	(428)	12,552
Dominion	2,754	-3.57%	(102)	2,856
Springhill	4,712	-3.76%	(184)	4,896
Parrsboro	1,729	-3.89%	(70)	1,799
Louisbourg	1,355	-3.90%	(55)	1,410
New Glasgow	10,022	-4.22%	(442)	10,464
Mulgrave	1,051	-4.37%	(48)	1,099
North Sydney	7,472	-4.45%	(348)	7,820
Pictou T.	4,413	-4.65%	(215)	4,628
Glace Bay	20,467	-4.65%	(999)	21,466
Sydney Mines	8,063	-5.15%	(438)	8,501
New Waterford	8,326	-5.47%	(482)	8,808
Sydney	27,754	-5.74%	(1,690)	29,444
Westville	4,271	-6.17%	(281)	4,552
Oxford	1,376	-6.39%	(94)	1,470
Mahone Bay	1,093	-10.99%	(135)	1,228
Total	379,974	-0.57%	(2,193)	382,167
% of Prov.	43.52%			45.10%
Province	873,176	3.03%	25,720	847,456
w/o Hfx., Dart., Bedford	193,144	-2.71%	(5,375)	198,519
% of Prov. w/o Hfx. Co.	34.08%			35.49%
Province w/o Hfx. Co.	566,758	1.33%	7,417	559,341

III. THE MEDIUM TERM: 1976-86

In the last decade, the provincial population increased by 5 percent or 40,000 people. That part of the province outside Halifax County grew by 17,000 people or 3 percent.

There were, as in 1981-86, seven counties growing faster than the province overall (Table 6). The 3 central counties of Hants, Halifax, and Colchester, the western county of Kings and the eastern county of Antigonish were in this group in both the short and the medium term, indicating high growth during both inter-censal periods. The other two high growth counties, Lunenburg and Yarmouth, were in the moderate growth category, ie. faster than the province without Halifax County, in the short-term. In other words, Lunenburg and Yarmouth grew faster in the first half of the decade.

Victoria grew faster than the province without Halifax, but its overall percentage increase for the decade was only marginally more than for the last 5 years. Evidently, it showed negligible growth earlier in the decade.

Annapolis was in the low growth category, slower than the province without Halifax. Its percentage increase for the entire decade was considerably lower than that for the last half of the decade, indicating that a population decline had occurred in the first five years.

Table 6 : Population Change in Counties 1976-86

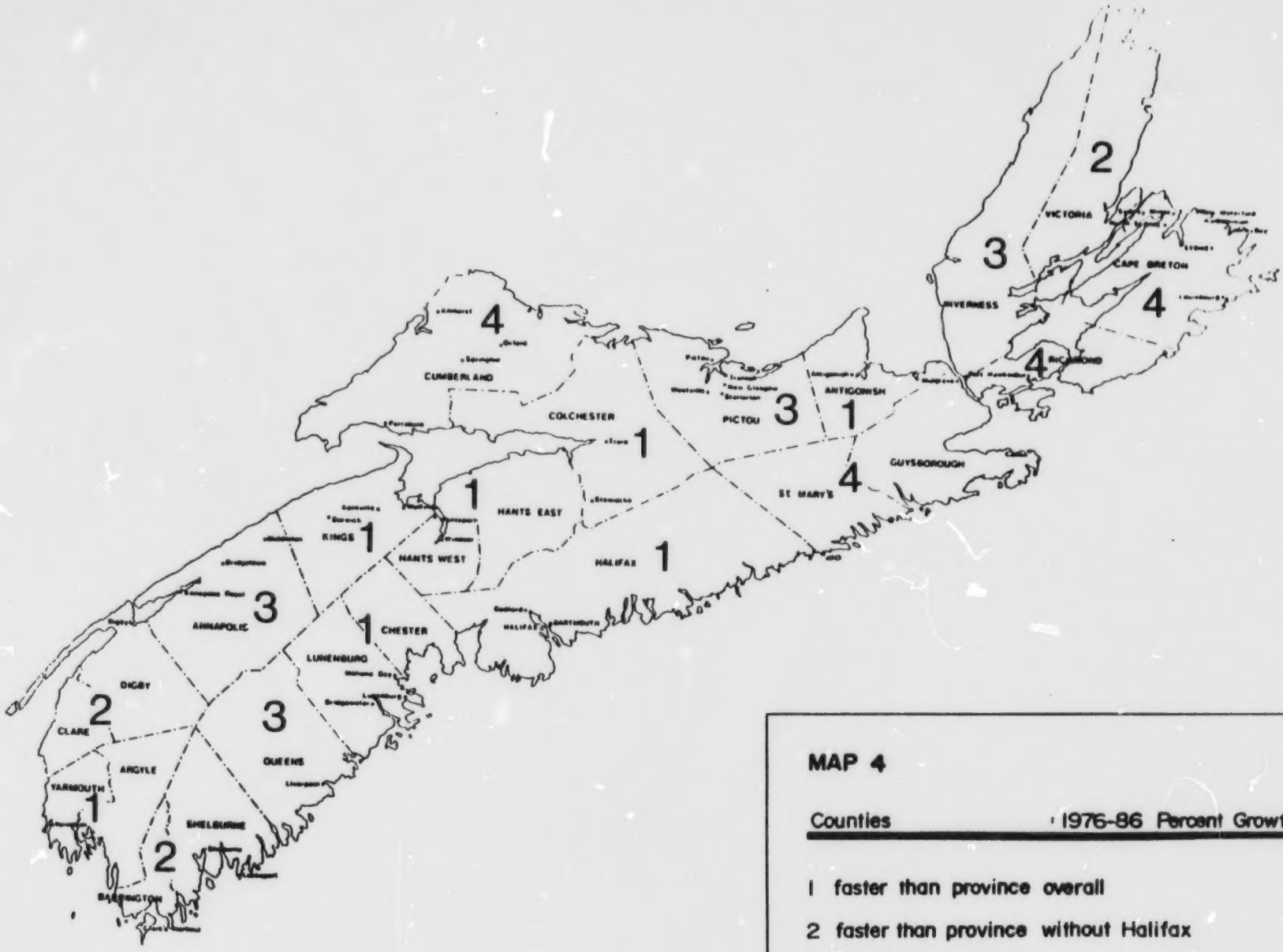
County	1986 Popn.	1976-86 % Change	1976-86 Absolute Change	1976 Popn.
Hants	36,548	12.86%	4,165	32,383
Kings	53,275	11.04%	5,298	47,977
Lunenburg	46,483	9.66%	4,095	42,388
Halifax	306,418	8.09%	22,924	283,494
Colchester	45,093	7.95%	3,322	41,771
Yarmouth	27,073	7.39%	1,863	25,210
Antigonish	18,776	6.85%	1,203	17,573
Digby	21,852	4.40%	920	20,932
Victoria	8,704	3.41%	287	8,417
Shelburne	17,516	3.22%	546	16,970
Annapolis	23,589	1.64%	381	23,208
Pictou	49,772	1.42%	696	49,076
Queens	13,125	1.37%	178	12,947
Inverness	21,946	0.79%	173	21,773
Guysborough	12,721	-0.81%	(104)	12,825
Cumberland	34,819	-2.91%	(1,043)	35,862
Cape Breton	123,625	-3.59%	(4,604)	128,229
Richmond	11,841	-4.87%	(606)	12,447
Province	873,176	4.76%	39,694	833,482
Without Halifax	566,758	3.05%	16,770	549,988

For the decade overall, Queens, Pictou and Inverness showed a low growth rather than the decline of the last five years, indicating an earlier growth. Three eastern counties - Guysborough, Cape Breton, and Richmond - and one central county - Cumberland - declined both in the short and the medium term.

Map 4 shows a clearly defined central-western area of high growth covering 5 counties, adjoining two areas of decline to the north in Cumberland and to the east from the Halifax County border to Cape Breton County.

The rural municipalities alone grew faster than the Province, at 12 percent, to increase their share of provincial population from 53 percent to 56 percent (Table 7). The 23 rural municipalities outside of Halifax County grew by 8 percent overall.

Halifax, Hants East and Colchester are in the top quintile as they were in the short-term, but they are joined by Yarmouth and Lunenburg. Kings is almost in the top quintile, indicating consistently high growth, while the third quintile placing of Hants West and its decade growth rate being lower than its short-term rate in Table 3 indicated a population decline earlier in the decade.



MAP 4

Counties	1976-86 Percent Growth

1 faster than province overall

2 faster than province without Halifax

3 slower than province

4 absolute decline

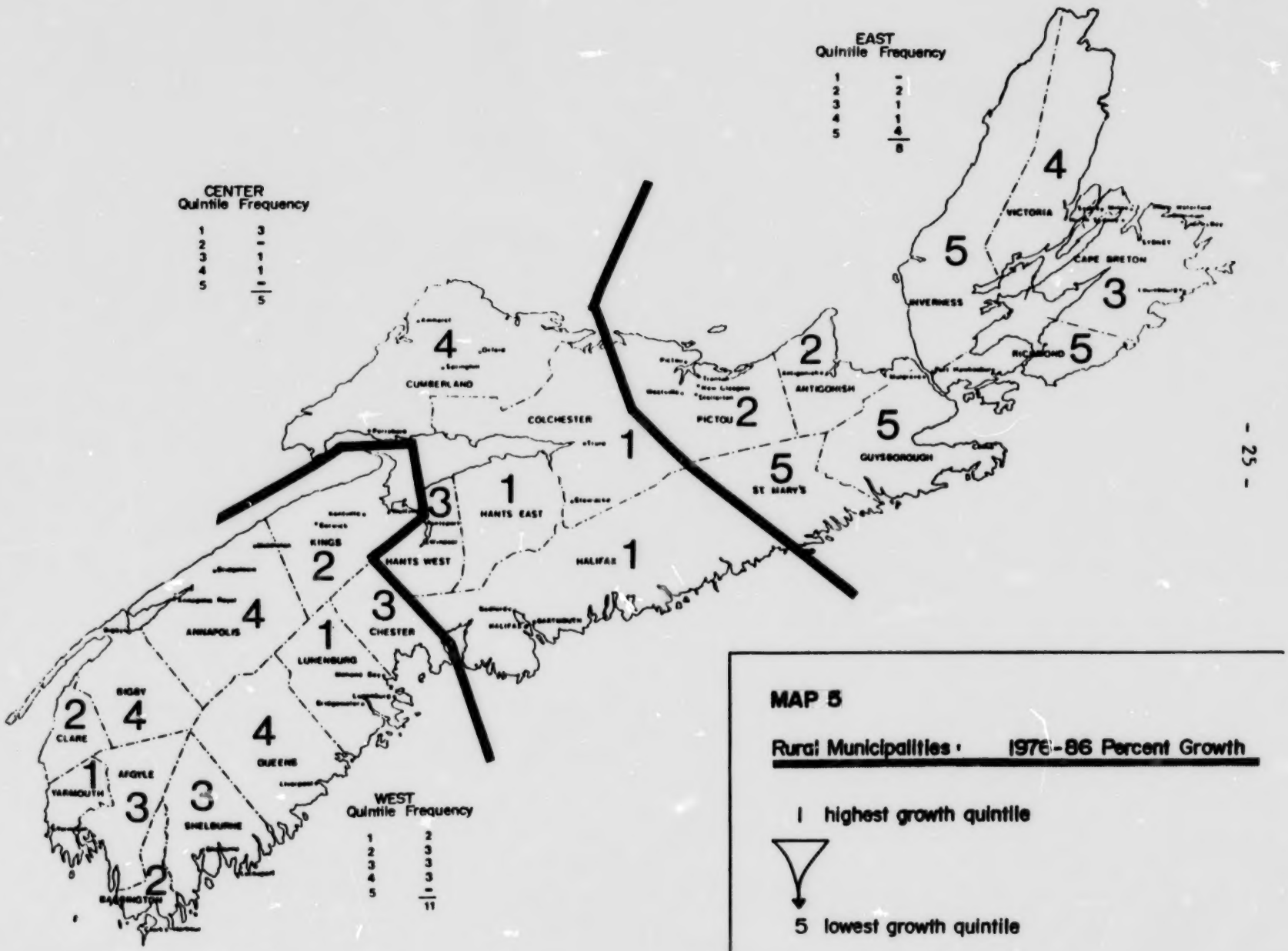
Table 7 : Population Changes in Rural Municipalities 1976-86

Rural Munic.	1986 Popn.	1976-86 % Change	1976-86 Absolute Change	1976 Popn.
Halifax	119,569	25.50%	24,294	95,275
Hants East	17,501	24.63%	3,459	14,042
Yarmouth	10,380	18.40%	1,613	8,767
Lunenburg	25,196	13.70%	3,036	22,160
Colchester	31,242	13.51%	3,718	27,524
Kings	42,662	12.00%	4,571	38,091
Antigonish	13,294	10.82%	1,298	11,996
Pictou	22,510	8.26%	1,718	20,792
Barrington	7,824	7.80%	566	7,258
Clare	9,740	6.46%	591	9,149
Chester	10,579	6.27%	624	9,955
Hants West	13,345	5.56%	703	12,642
Cape Breton	45,258	5.33%	2,289	42,969
Shelburne	5,365	5.32%	271	5,094
Argyle	9,055	5.07%	437	8,618
Digby	9,543	3.71%	341	9,202
Victoria	8,366	2.57%	210	8,156
Queens	9,830	2.55%	244	9,586
Annapolis	20,051	2.25%	441	19,610
Cumberland	17,331	1.80%	307	17,024
Inverness	17,668	1.73%	301	17,367
St. Mary's	3,091	-0.48%	(15)	3,106
Guysborough	7,294	-0.63%	(46)	7,340
Richmond	11,624	-5.35%	(657)	12,281
Total	488,318	11.49%	50,314	438,004
% of Prov.	55.92%			52.55%
Province	873,176	4.76%	39,694	833,482
Total w/o Hfx. Co.	368,749	7.59%	26,020	342,729
% of Prov. w/o Hfx. Co	65.06%			62.32%
Prov. tot. w/o Hfx. Co	566,758	3.05%	26,020	549,988

Richmond and Guysborough are in decline in the bottom quintile in both the short and medium terms. Inverness is in the bottom quintile in both, but shows a slight increase over the decade. Cumberland is almost in the fifth quintile, being at the bottom of the fourth, and exhibits a slight increase for the decade. While growing in the short term, St. Mary's declines in population over the decade. Cape Breton ranks in a higher quintile, the third, for the medium term than it did for the short term.

Map 5 gives a picture broadly the same as that of the short term. Three out of 5 municipalities in the centre are in the top quintile, 4 out of 8 in the east are in the bottom. In the west, 9 out of 11 are grouped in the middle three quintiles. A central spine of relatively higher growth stretches from Kings and Lunenburg to the Strait of Canso and is surrounded by bands of lower growth or decline on all three sides. Isolated areas to the far east and west show relatively higher growth.

The situation for the rural census subdivisions is laid out in Table 8 and Map 6. The eastern region comes off slightly worse in the medium term than in the short term, with 12 rather than 11 out of 18 subdivisions in the lowest two quintiles. The western counties give a slightly better picture, with the top two quintiles the same but the third quintile with 5 subdivisions instead of only 3 in the short term: however,


EAST
Quintile Frequency
1 -
2 2
3 1
4 4
5 6
CENTER
Quintile Frequency
1 3
2 -
3 1
4 1
5 -
5
WEST
Quintile Frequency
1 2
2 3
3 3
4 -
5 11
4
CUMBERLAND
COLCHESTER
1
3
1
HANTS EAST
KINGS
2
HANTS WEST
HALIFAX 1
4
ANNAPOLIS
3
CHESTER
1
LUNENBURG
DIGBY
2
4
CLARE
4
QUEENS
1
YARMOUTH
3
AFGYLE
3
SHELBURNE
2
BARRINGTON
2
PICTOU 2
ANTIGONISH
5
GUYSBOROUGH
5
ST MARY'S
4
VICTORIA
5
INVERNESS
CAPE BRETON
3
RICHMOND 5
MAP 5
Rural Municipalities - 1976-86 Percent Growth
1 highest growth quintile
5 lowest growth quintile

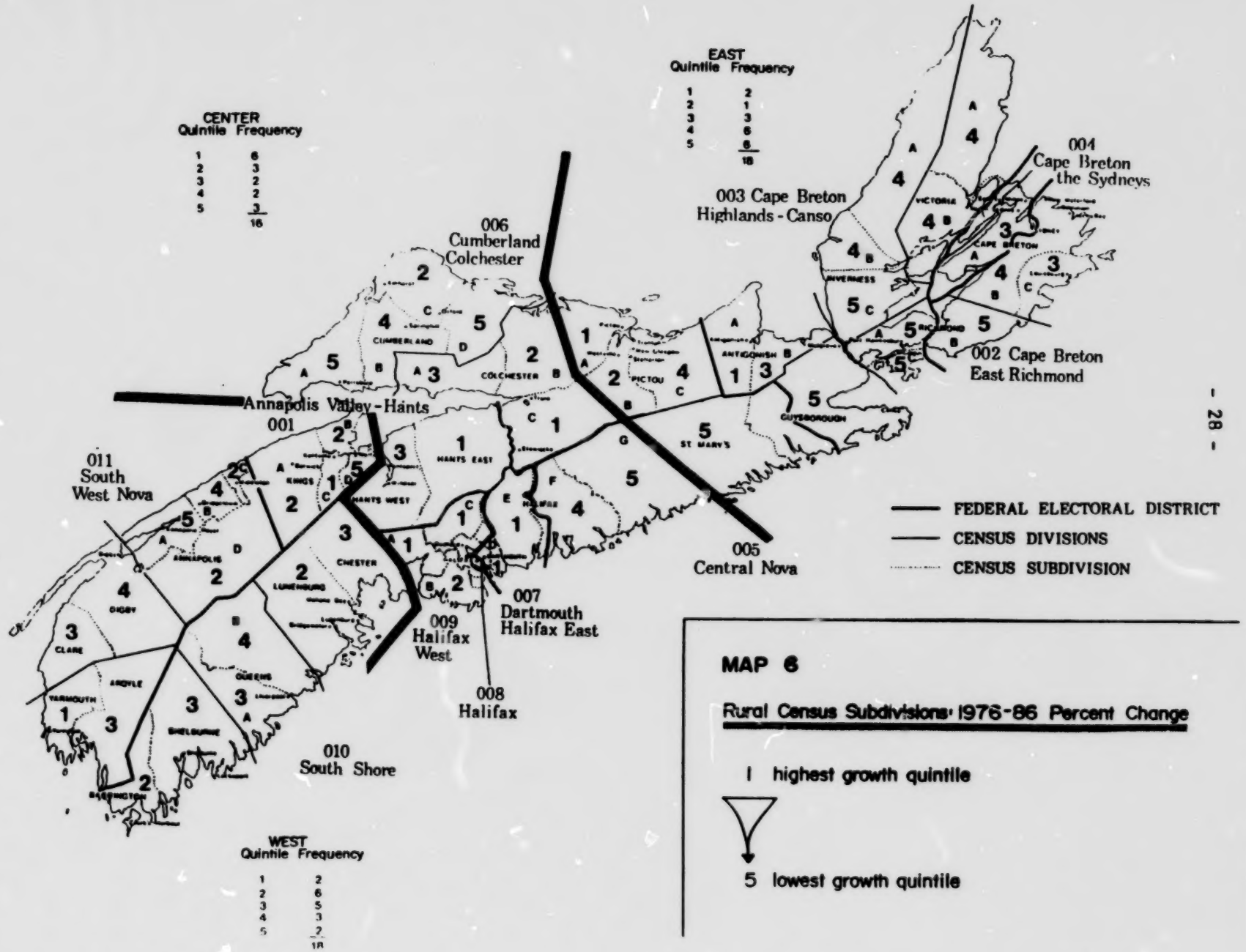
there is an additional subdivision in the lowest, declining quintile. The centre distribution worsens very slightly, with one subdivision dropping from top to second quintile and one falling from third to fourth.

Two patterns of growth come out more consistently than in the short term. All of the 15 subdivisions making up Cape Breton Island, Guysborough County, and Halifax County outside to CMA are in the lower three quintiles, and only two of these - both in Cape Breton County - are in the third quintile, with relatively faster growth. At the western end of the Province, the 6 subdivisions from Clare to western Queens are in the top 3 quintiles.

In general, a subdivision either stays in the same quintile or moves up or down one quintile when compared with the short term. Only 3 out of 52 subdivisions do not follow this rule: St. Mary's and northern Victoria move down 2 quintiles, while western Annapolis moves from the top quintile to the bottom! Such unusual transitions will be investigated later in this report.

Table 8 : Population Changes in Rural Census Subdivisions

Census Subdivision	1986 Popn.	1976-86 % Change	1976-86 Absolute Change	1976 Popn.
Kings C	6,813	29.87%	2,035	4,778
Halifax D	32,254	29.47%	9,504	22,750
Halifax C	38,503	23.47%	9,037	29,466
Hants E.	17,501	19.76%	3,459	14,042
Halifax A	9,028	19.10%	1,724	7,304
Halifax E	16,148	17.53%	2,830	13,318
Yarmouth M.	10,380	15.54%	1,613	8,767
Antigonish A	6,718	15.45%	1,038	5,680
Colchester C	11,569	15.10%	1,747	9,822
Pictou A	6,622	12.46%	825	5,797
Lunenburg M.	25,196	12.05%	3,036	22,160
Cumberland C	4,783	11.73%	561	4,222
Kings B	10,636	11.62%	1,236	9,400
Colchester B	16,096	11.00%	1,771	14,325
Pictou B	6,447	10.22%	659	5,788
Halifax B	13,220	9.77%	1,291	11,929
Annapolis D	2,668	8.70%	232	2,436
Annapolis C	4,551	8.48%	386	4,165
Barrington	7,824	7.23%	566	7,258
Kings A	20,122	6.72%	1,352	18,770
Cape Breton A	17,832	6.49%	1,158	16,674
Clare	9,740	6.07%	591	9,149
Chester	10,579	5.90%	624	9,955
Cape Breton C	2,800	5.68%	159	2,641
Colchester A	3,577	5.59%	200	3,377
Hants W.	13,345	5.27%	703	12,642
Shelburne M.	5,365	5.05%	271	5,094
Argyle	9,055	4.83%	437	8,618
Queens A	3,310	4.26%	141	3,169
Antigonish B	6,576	3.95%	260	6,316
Cape Breton B	24,626	3.95%	972	23,654
Halifax F	6,033	3.94%	238	5,795
Digby M.	9,543	3.57%	341	9,202
Inverness A	7,037	2.86%	201	6,836
Victoria B	4,540	2.60%	118	4,422
Pictou C	9,441	2.48%	234	9,207
Victoria A	3,826	2.40%	92	3,734
Annapolis B	4,213	2.09%	88	4,125
Inverness B	6,483	1.59%	103	6,380
Queens B	6,520	1.58%	103	6,417
Cumberland B	4,585	0.83%	38	4,547
Inverness C	4,148	-0.07%	(3)	4,151
St. Mary's	3,091	-0.49%	(15)	3,106
Cumberland D	4,810	-0.54%	(26)	4,836
Guysborough	7,294	-0.63%	(46)	7,340
Kings D	5,091	-1.02%	(52)	5,143
Annapolis A	8,619	-3.07%	(265)	8,884
Richmond A	4,702	-3.17%	(149)	4,851
Richmond C	4,645	-5.58%	(259)	4,904
Halifax G	4,376	-7.70%	(337)	4,713
Cumberland A	3,153	-8.44%	(266)	3,419
Richmond B	2,277	-10.94%	(249)	2,526



MAP 6

Rural Census Subdivisions 1976-86 Percent Change

1 highest growth quintile

5 lowest growth quintile

The urban municipalities fare even worse in the medium than in the short term (Table 9). Only 10 of the 42 towns and cities showed a net growth over the decade. Overall, the urban areas lost 12,000 people or 3 percent and dropped from 47 to 44 percent of the provincial population. Outside of Halifax County urban areas declined by 10,000 people or 5 percent.

Five towns changed very significantly in the growth ranking between the short and the medium terms. Bridgewater moved from a small decrease for the short term to a sizable increase for the decade, while Westville had a sizable decrease in the short term but a small increase for the decade. Both cases indicate substantial growth earlier in the decade. Shelburne, Lockeport, and Annapolis Royal moved from changes of under 1 percent in the short term to declines of 8 to 15 percent for the decade, indicating substantial decline earlier in the decade.

Table 9 : Population Change in Urban Municipalities 1976-86

Town or City *	1986 Popn.	1976-86 % Change	1976-86 Absolute Change	1976 Popn.
Berwick	2,058	20.99%	357	1,701
Bridgewater	6,617	10.10%	607	6,010
Canso	1,285	9.55%	112	1,173
Bridgetown	1,118	7.81%	81	1,037
Stewiacke	1,265	7.75%	91	1,174
Wolfville	3,277	6.64%	204	3,073
Kentville	5,208	3.01%	152	5,056
Clark's Harbour	1,098	1.95%	21	1,077
Westville	4,271	0.47%	20	4,251
Dartmouth	65,243	-0.15%	(98)	65,341
Digby T.	2,525	-0.67%	(17)	2,542
Windsor	3,665	-1.00%	(37)	3,702
Liverpool	3,295	-1.23%	(41)	3,336
Lunenburg T.	2,972	-1.72%	(52)	3,024
Stellarton	5,259	-1.99%	(107)	5,366
Yarmouth T.	7,617	-2.36%	(184)	7,801
Antigonish	5,291	-2.77%	(151)	5,442
Middleton	1,772	-2.80%	(51)	1,823
Port Hawkesbury	3,869	-3.47%	(139)	4,008
Halifax	113,577	-3.65%	(4,305)	117,882
Pictou T.	4,413	-3.81%	(175)	4,588
Trenton	3,083	-4.37%	(141)	3,224
Hantsport	1,357	-4.64%	(66)	1,423
Truro	12,124	-5.58%	(716)	12,840
Amherst	9,671	-5.77%	(592)	10,263
New Glasgow	10,022	-6.09%	(650)	10,672
Dominion	2,754	-6.26%	(184)	2,938
Glace Bay	20,467	-6.27%	(1,369)	21,836
Parrsboro	1,729	-6.89%	(128)	1,857
Shelburne T.	2,312	-7.93%	(199)	2,511
Oxford	1,376	-8.14%	(122)	1,498
Sydney	27,754	-9.43%	(2,891)	30,645
New Waterford	8,326	-9.73%	(897)	9,223
Springhill	4,712	-9.73%	(508)	5,220
Sydney Mines	8,063	-10.06%	(902)	8,965
North Sydney	7,472	-10.18%	(847)	8,319
Louisbourg	1,355	-10.80%	(164)	1,519
Lockeport	917	-10.97%	(113)	1,030
Mahone Bay	1,093	-11.57%	(143)	1,236
Mulgrave	1,051	-12.85%	(155)	1,206
Annapolis Royal	631	-14.50%	(107)	738
Total	379,974	-1.71%	(6,596)	386,570
% of Prov.	43.52%			46.38%
Province	873,176	4.76%	39,694	833,482
w/o Hfx., Dart.,Bed.	193,144	-7.29%	(15,180)	208,324
% of Prov. w/o Hfx. Co.	34.08%			37.88%
Province w/o Hfx. Co.	566,758	3.05%	16,770	549,988

* Bedford was not actually incorporated as a town until 1980; prior to that it was part of Halifax D.

IV. THE LONG TERM: 1961-86

The quarter century from 1961 to 1986 brought a population increase of 136,000 people or 19 percent for the province, or 56,000 and 11 percent for the province outside of Halifax County.

The six counties in Table 10 which grew at a rate faster than that of the province overall were all in the same group for the medium term in Table 6, and five of them were in the same group for the short term in Table 2. Hants, Halifax, Colchester, Antigonish and Kings have all exhibited fast growth consistently through out the period. Lunenburg grew at the fast rate during parts of the period prior to the last five years. This group of six collectively increase 34 percent in total population, and grew from forming 51 percent of the provincial population in 1961 to 58 percent in 1986.

Yarmouth exhibits relatively high growth during all three periods, but not high enough to merit placement in the top group. Inverness, Pictou, and Shelburne evidently grew significantly during the earlier part of the quarter century, because their more recent growth has been relatively modest.

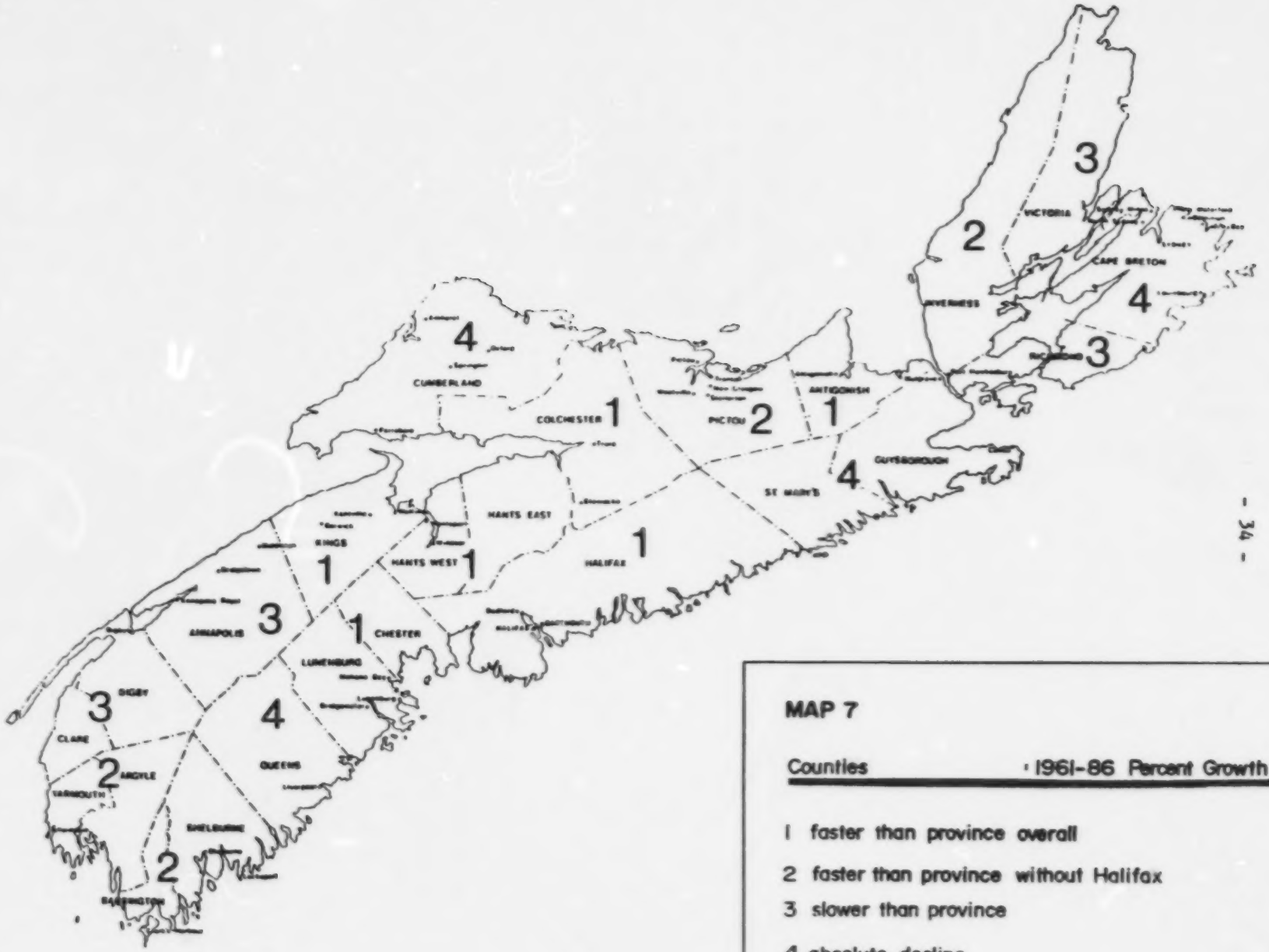
Table 10 : Population Change in Counties 1961-86

County	1986 Popn.	1961-86 % Change	1961-86 Absolute Change	1961 Popn.
Hants	36,548	38.21%	10,104	26,444
Halifax	306,418	35.75%	80,704	225,714
Lunenburg	46,483	32.82%	11,485	34,998
Colchester	45,093	31.44%	10,786	34,307
Antigonish	18,776	30.75%	4,416	14,360
Kings	53,275	27.61%	11,528	41,747
Subtotal	506,593	34.17%	129,023	377,570
% of Prov.	58.02%			51.23%
Inverness	21,946	17.25%	3,228	18,718
Yarmouth	27,073	15.77%	3,687	23,386
Shelburne	17,516	15.18%	2,308	15,208
Pictou	49,772	13.36%	5,864	43,908
Subtotal	116,307	14.91%	15,087	101,220
% of Prov.	13.32%			13.73%
Digby	21,852	8.09%	1,636	20,216
Victoria	8,704	5.30%	438	8,266
Annapolis	23,589	4.15%	940	22,649
Richmond	11,841	4.11%	467	11,374
Subtotal	65,986	5.57%	3,481	62,505
% of Prov.	7.56%			8.48%
Queens	13,125	-0.23%	(30)	13,155
Guysborough	12,721	-4.17%	(553)	13,274
Cape Breton	123,625	-5.99%	(7,882)	131,507
Cumberland	34,819	-7.81%	(2,948)	37,767
Subtotal	184,290	-5.83%	(11,413)	195,703
% of Prov.	21.11%			26.55%
Province	873,176	18.48%	136,178	736,998
Without Halifax	566,758	10.85%	55,474	511,284

The growth rates for Digby, Victoria and Annapolis are not significantly above those for the last decade in Table 6, indicating a low net growth over the previous fifteen years. For Richmond, a 4 percent net growth contrasts with a 5 percent decline during 1976-86, indicating significant growth earlier in the perod.

Finally, Guysborough, Cape Breton and Cumberland show consistent decline for short, medium and long terms. Queens alternates between very low growth and very small decline. These four counties combined dropped from 27 percent of the provincial population in 1961 to only 21 percent in 1986.

Map 7 indicates the same situation for the central area as prevailed in the medium term on Map 4, with a five-county growth core. Three of the western counties are worse off in the growth rating, while a net total of two eastern counties are better off than for the medium term. The indication is that population growth in the 1961-76 period favoured the eastern counties relative to the western.



MAP 7

Counties	1961-86 Percent Growth
1	faster than province overall
2	faster than province without Halifax
3	slower than province
4	absolute decline

The rural municipalities by themselves grew by 25 percent and formed 56 percent of the provincial population in 1986 versus 53 percent in 1961. The reason for the 1961 percentage being roughly the same as the 1976 percentage despite rapid rural growth was the amalgamation by the City of Halifax of a significantly populated section of the County of Halifax in 1969-70. Outside Halifax County, the rural municipalities increased as a proportion of the remainder of the Province from 60 to 65 percent.

The top quintile of rural municipalities in Table 11 increased from 37 percent of all rural population to 42 percent. Hants East, Colchester, and Halifax were in the top quintile for all three time periods: Yarmouth and Lunenburg were also there in the medium term but not in the short term. Antigonish has been steadily in the second quintile; Pictou just misses being in it in the short term.

Most other municipalities have varied considerably more in their relative growth rankings for the three periods. Table 12 ranks the rural municipalities by 1986 population. The biggest four have stayed the same, but four others have moved up more than one place in the rankings: Hants East, Pictou, Chester and especially Yarmouth, which moved from twenty-first to fifteenth place. Seven municipalities dropped more than one place: Annapolis, Cumberland, Richmond, Queens, Digby, Victoria, and Guysborough.

Table 11 : Population Changes in Rural Municipalities 1961-86

Rural Munic.	1986 Popn.	1961-86 % Change	1961-86 Absolute Change	1961 Popn.
Hants East	17,501	67.97%	7,082	10,419
Colchester	31,242	51.18%	10,576	20,666
Yarmouth	10,380	49.68%	3,445	6,935
Halifax *	119,569	38.66%	33,337	86,232
Lunenburg	25,196	36.82%	6,780	18,416
Subtotal	203,888	42.91%	61,220	142,668
% of Total	41.75%			36.52%
Antigonish	13,294	34.68%	3,423	9,871
Pictou	22,510	33.85%	5,693	16,817
Chester	10,579	33.47%	2,653	7,926
Barrington	7,824	31.36%	1,868	5,956
Hants West	13,345	28.64%	2,971	10,374
Subtotal	67,552	32.60%	16,608	50,944
% of Total	13.83%			13.04%
Kings	42,662	27.79%	9,277	33,385
Argyle	9,055	15.94%	1,245	7,810
Shelburne	5,365	14.93%	697	4,668
Cape Breton	45,258	14.16%	5,614	39,644
Clare	9,740	14.06%	1,201	8,539
Subtotal	112,080	19.18%	18,034	94,046
% of Total	22.95%			24.07%
Annapolis	20,051	6.17%	1,166	18,885
Queens	9,830	4.15%	392	9,438
Victoria	8,366	3.51%	284	8,082
Richmond	11,624	3.32%	374	11,250
Inverness	17,668	2.83%	487	17,181
Subtotal	67,539	4.17%	2,703	64,836
% of Total	13.83%			16.60%
Digby	9,543	2.29%	214	9,329
St. Mary's	3,091	-1.02%	(32)	3,123
Cumberland	17,331	-2.84%	(507)	17,838
Guysborough	7,294	-7.14%	(561)	7,855
Subtotal	37,259	-2.32%	(886)	38,145
% of Total	7.63%			9.76%
Total	488,318	25.00%	97,679	390,639
% of Prov.	55.92%			53.00%
Province	873,176	18.48%	136,178	736,998
Total w/o Hfx. Co.	368,749	21.14%	64,342	304,407
% of Prov. w/o Hfx. Co	65.06%			59.54%
Prov. tot. w/o Hfx. Co	566,758	10.85%	55,474	511,284

* - Halifax lost population to the City of Halifax and the Town of Bedford during the period.

Table 12 : Rural Municipalities Ranked in Descending Order

Rural Munic.	1986 Actual Popn.	1986 Popn.	1981-86 % Change	1976-86 % Change	1961-86 % Change	1961 Popn.	1961 Actual Popn.
Halifax	119,569	1	2	1	4	1	86,232
Cape Breton	45,258	2	16	13	14	2	39,644
Kings	42,662	3	3	6	11	3	33,385
Colchester	31,242	4	5	5	2	4	20,666
Lunenburg	25,196	5	12	4	5	6	18,416
Pictou	22,510	6	11	8	7	9	16,817
Annapolis	20,051	7	6	19	16	5	18,885
Inverness	17,668	8	23	21	20	8	17,181
Hants East	17,501	9	1	2	1	11	10,419
Cumberland	17,331	10	21	20	23	7	17,838
Hants West	13,345	11	4	12	10	12	10,374
Antigonish	13,294	12	8	7	6	13	9,871
Richmond	11,624	13	24	24	19	10	11,250
Chester	10,579	14	9	11	8	18	7,926
Yarmouth	10,380	15	7	3	3	21	6,935
Queens	9,830	16	19	18	17	14	9,438
Clare	9,740	17	15	10	15	16	8,539
Digby	9,543	18	18	16	21	15	9,329
Argyle	9,055	19	17	15	12	20	7,810
Victoria	8,366	20	10	17	18	17	8,082
Barrington	7,924	21	14	9	9	22	5,956
Guysborough	7,294	22	22	23	24	19	7,855
Shelburne	5,365	23	20	14	13	23	4,668
St. Mary's	3,091	24	13	22	22	24	3,123

Map 8 gives a picture of a central growth area, peripheral slower growth or decline areas, and other growth areas at the extreme ends virtually identical to Map 5 for the medium term.

The rural census subdivisions are dominated in the long term in Table 13 by Halifax C, containing Sackville, and Halifax D, surrounding the cities of Halifax and Dartmouth. The top quintile rises from 18 to 29 percent of 11 rural subdivisions population to a large extent on the basis of the increase for Halifax C. The bottom quintile falls from 26 to 17 percent of the total almost entirely because of Halifax D's partial absorption into the City of Halifax. Totals are not exactly the same as those for all rural municipalities because Sable Island, which constitutes the Halifax H subdivision, is omitted from the list.

At the subdivision level, the regional balance for the long term (Map 9) relative to that for the medium term (Map 6) appears to shift in favour of the east, since that region has fewer subdivisions in the lowest quintile while the centre and west increase their number in lower quintiles. In the west, Kings, Annapolis, Digby and Queens are worse off. In the centre, Cumberland - west Colchester are worse off but the central growth core extends further into Colchester. In the east, this central growth area continues to extend all the way along the Northumberland Strait and through the centre of Cape Breton Island. Evidently, however, much of this growth in the east occurred earlier in the 25-year period.

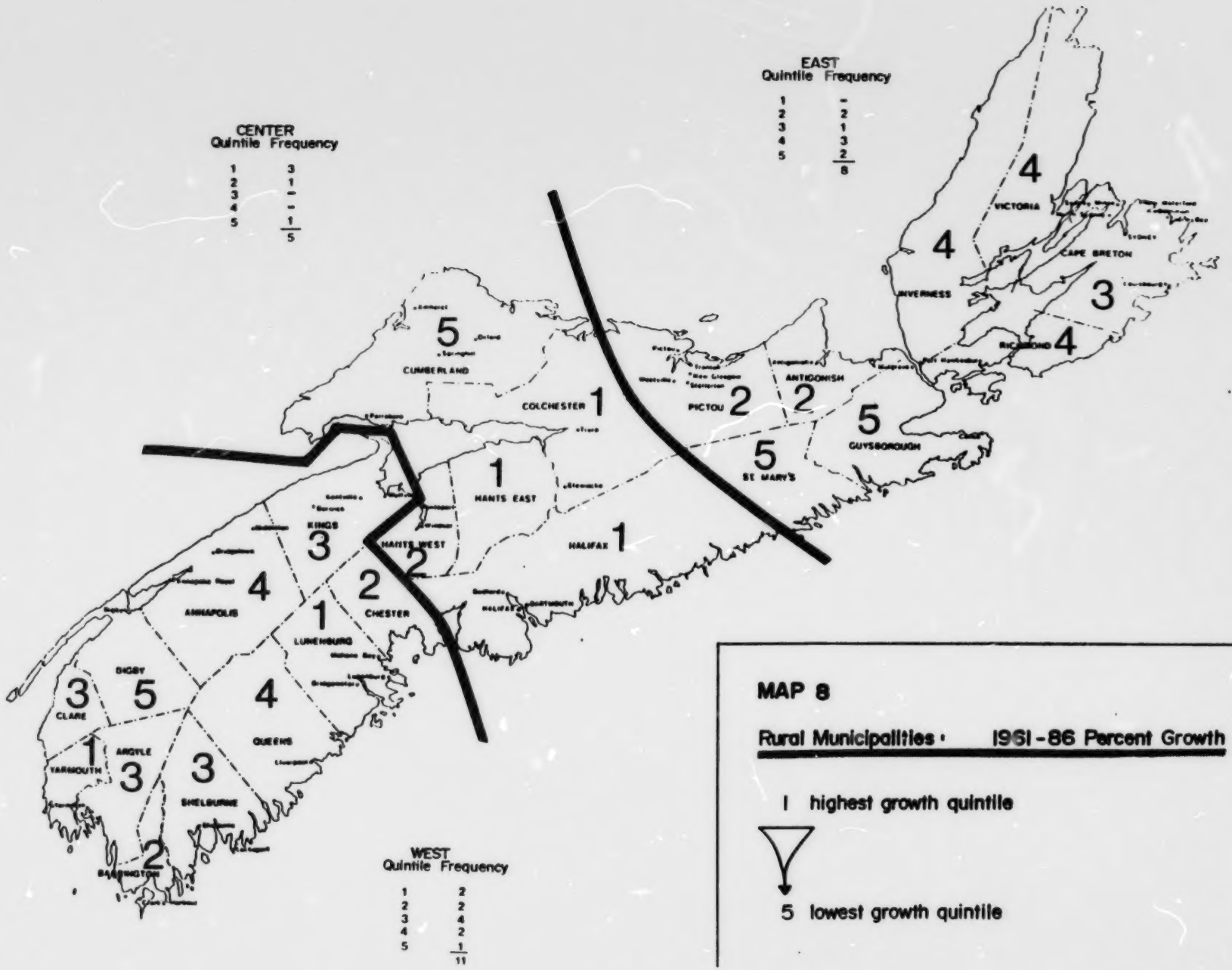

CENTER
Quintile Frequency
1 3
2 1
3 –
4 –
5 1
5
EAST
Quintile Frequency
1 –
2 2
3 1
4 3
5 2
8
WEST
Quintile Frequency
1 2
2 2
3 4
4 2
5 1
11
CUMBERLAND
COLCHESTER
PICTOU
ANTIGONISH
GUYSBOROUGH
ST MARY'S
HANTS EAST
HANTS WEST
KINGS
HALIFAX
ANNAPOLIS
CHESTER
LUNENBURG
QUEENS
DIGBY
CLARE
YARMOUTH
ARGYLE
SHELBURNE
VICTORIA
CAPE BRETON
INVERNESS
RICHMOND
MAP 8
Rural Municipalities - 1961-86 Percent Growth
1 highest growth quintile
5 lowest growth quintile

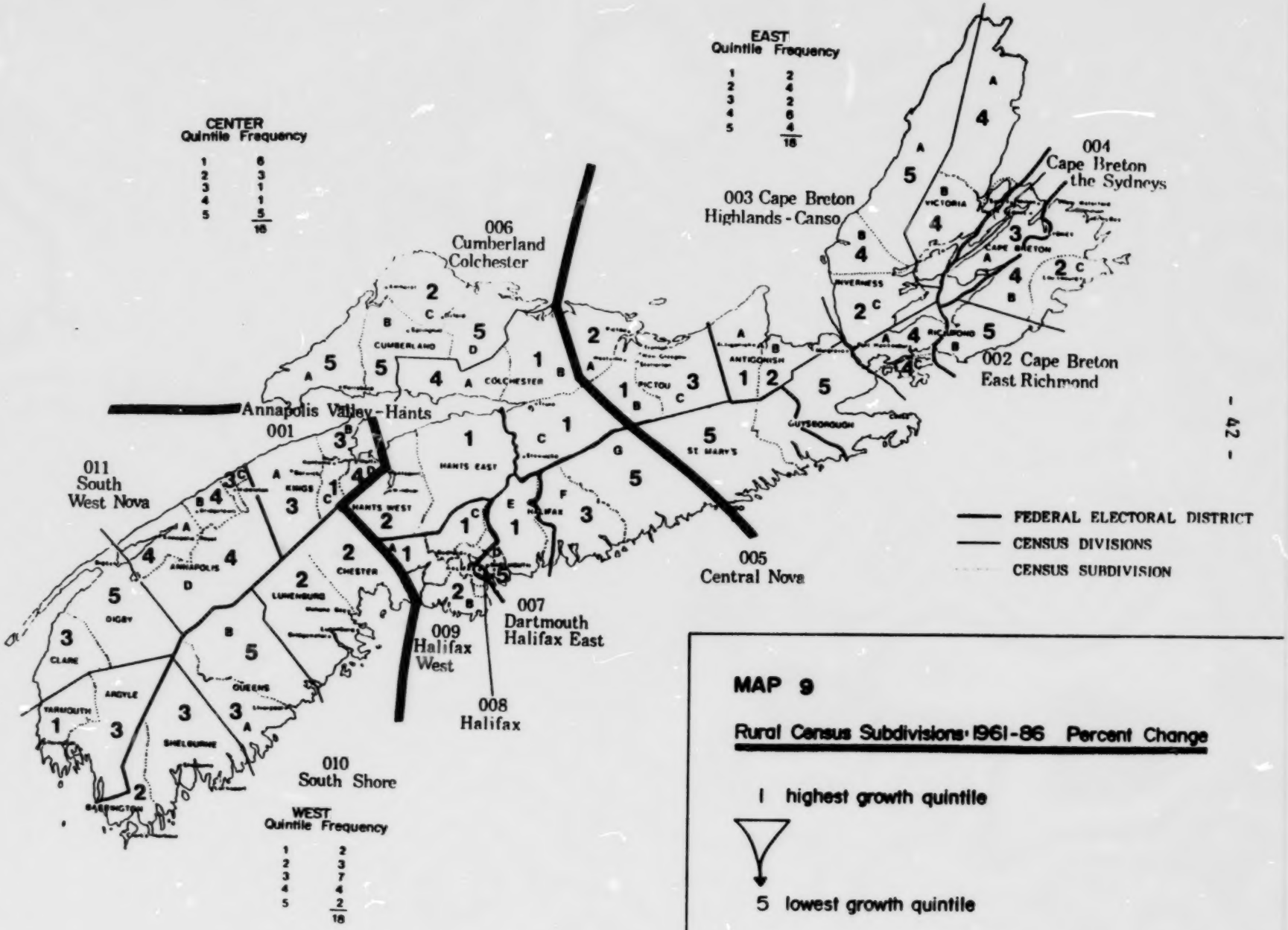
Table 13 : Population Change in Urban Muncipalities 1961-86

Town or City *	1986 Popn.	1961-86 % Change	1961-86 Absolute Change	1961 Popn.
Port Hawkesbury	3,869	187.44%	2,523	1,346
Berwick	2,058	60.53%	776	1,282
Bridgewater	6,617	47.14%	2,120	4,497
Dartmouth	65,243	38.92%	18,277	46,966
Wolfville	3,277	35.81%	864	2,413
Halifax	113,577	22.77%	21,066	92,511
Antigonish	5,291	21.80%	947	4,344
Stewiacke	1,265	21.40%	223	1,042
Clark's Harbour	1,098	16.19%	153	945
Kentville	5,208	12.92%	596	4,612
Subtotal	207,503	29.72%	47,545	159,958
% of Total	55.79%			46.56%
Canso	1,285	11.64%	134	1,151
Digby T.	2,525	9.40%	217	2,308
Bridgetown	1,118	7.19%	75	1,043
Westville	4,271	2.69%	112	4,159
New Glasgow	10,022	2.45%	240	9,782
Mahone Bay	1,093	-0.91%	(10)	1,103
Stellarton	5,259	-1.28%	(68)	5,327
Hantsport	1,357	-1.74%	(24)	1,381
Trenton	3,083	-1.82%	(57)	3,140
Truro	12,124	-2.39%	(297)	12,421
Subtotal	42,137	0.77%	322	41,815
% of Total	11.33%			12.17%
Pictou T.	4,413	-2.67%	(121)	4,534
Lunenburg T.	2,972	-2.75%	(84)	3,056
Shelburne T.	2,312	-3.99%	(96)	2,408
Windsor	3,665	-4.13%	(158)	3,823
Louisbourg	1,355	-4.38%	(62)	1,417
Parrsboro	1,729	-5.73%	(105)	1,834
Oxford	1,376	-6.46%	(95)	1,471
Middleton	1,772	-7.76%	(149)	1,921
Dominion	2,754	-8.17%	(245)	2,999
Mulgrave	1,051	-8.21%	(94)	1,145
Subtotal	23,399	-4.91%	(1,209)	24,608
% of Total	6.29%			7.16%
Amherst	9,671	-10.35%	(1,117)	10,788
Liverpool	3,295	-11.23%	(417)	3,712
Sydney Mines	8,063	-11.61%	(1,059)	9,122
Yarmouth T.	7,617	-11.80%	(1,019)	8,636
North Sydney	7,472	-13.69%	(1,185)	8,657
Glace Bay	20,467	-15.38%	(3,719)	24,186
Sydney	27,754	-17.44%	(5,863)	33,617
Springhill	4,712	-19.26%	(1,124)	5,836
Annapolis Royal	631	-21.13%	(169)	800
New Waterford	8,326	-21.39%	(2,266)	10,592
Lockeport	917	-25.51%	(314)	1,231
Subtotal	98,925		(18,252)	117,177
% of Total	26.60%			34.11%
Total	371,964	8.27%	28,406	343,558
% of Prov.	42.60%			46.62%
Province	873,176	18.48%	136,178	736,998
Without Hfx. & Dart.	193,144	-5.36%	(10,937)	204,081
% of Prov. w/o Hfx. Co.	34.08%			39.92%
Province w/o Hfx. Co.	566,758	10.85%	55,474	511,284

* The Town of Bedford is not included because it was not incorporated until 1980.

The totals for the urban municipalities in Table 14 are dominated by the large growth in the cities of Halifax and Dartmouth, mostly earlier in the period. When the two are removed, the remaining urban populations fell by 5 percent, for a loss of 11,000 people in towns and city outside Halifax County. These urban areas fell from 40 to 34 percent of provincial population outside Halifax County.

The towns and cities are ranked by their 1986 population in Table 15. The three cities are at the top of the list as they were in 1961, but many towns have moved up or down in the ranking. The biggest gainers are Bridgewater, Antigonish, Stewiacke, Berwick, and especially Port Hawkesbury. The biggest losers are Louisbourg, Mulgrave, Springhill, and Lockeport. The changes in Bridgewater and in the three Strait of Canso communities of Antigonish, Port Hawkesbury and Mulgrave are presumably all related to new industrial development.



MAP 9

Rural Census Subdivisions: 1961-86 Percent Change

1 highest growth quintile

5 lowest growth quintile

Table 14 : 1961-86 Population Changes in Rural Census Subdivisions

Census Subdivision	1986 Popn.	1961-86 % Change	1961-86 Absolute Change	1961 Popn.
Halifax C	38,503	325.07%	29,445	9,058
Kings C	6,813	183.99%	4,414	2,399
Halifax E	16,148	95.57%	7,891	8,257
Halifax A	9,028	79.80%	4,007	5,021
Hants E.	17,501	67.97%	7,082	10,419
Colchester C	11,569	63.96%	4,513	7,056
Colchester B	16,096	54.80%	5,698	10,398
Yarmouth M.	10,380	49.68%	3,445	6,935
Pictou B	6,447	48.86%	2,116	4,331
Antigonish A	6,718	48.66%	2,199	4,519
Subtotal	139,203	103.53%	68,611	68,393
% of Total	28.51%			17.51%
Halifax B	13,220	46.99%	4,226	8,994
Pictou A	6,622	39.44%	1,873	4,749
Lunenburg M.	25,196	36.82%	6,780	18,416
Chester	10,579	33.47%	2,653	7,926
Barrington	7,824	31.36%	1,868	5,956
Hants W.	13,345	28.64%	2,971	10,374
Cumberland C	4,783	27.58%	1,034	3,749
Cape Breton C	2,800	25.90%	576	2,224
Inverness C	4,148	22.90%	773	3,375
Antigonish B	6,576	22.87%	1,224	5,352
Subtotal	95,093	33.72%	23,978	71,115
% of Total	19.47%			18.20%
Pictou C	9,441	22.02%	1,704	7,737
Kings B	10,636	20.67%	1,822	8,814
Cape Breton A	17,832	20.27%	3,005	14,827
Argyle	9,055	15.94%	1,245	7,810
Shelburne M.	5,365	14.93%	697	4,668
Kings A	20,122	14.23%	2,506	17,616
Queens A	3,310	14.18%	411	2,899
Clare	9,740	14.06%	1,201	8,539
Halifax F	6,033	13.21%	704	5,329
Annapolis C	4,551	12.26%	497	4,054
Subtotal	96,085	16.76%	13,792	82,293
% of Total	19.68%			21.07%
Kings D	5,091	11.74%	535	4,556
Colchester A	3,577	11.36%	365	3,212
Richmond A	4,702	10.84%	460	4,242
Cape Breton B	24,626	9.00%	2,033	22,593
Annapolis D	2,668	8.41%	207	2,461
Richmond C	4,645	7.60%	328	4,317
Victoria B	4,540	4.18%	182	4,358
Annapolis B	4,213	4.25%	168	4,045
Annapolis A	8,619	3.53%	294	8,325
Inverness B	6,483	3.23%	203	6,280
Victoria A	3,826	2.74%	102	3,724
Subtotal	72,990	7.16%	4,877	68,113
% of Total	14.95%			17.44%
Digby M.	9,543	2.29%	214	9,329
Queens B	6,520	-0.29%	(19)	6,539
St. Mary's	3,091	-1.02%	(32)	3,123
Cumberland B	4,585	-1.61%	(75)	4,660
Cumberland D	4,810	-4.92%	(249)	5,059
Inverness A	7,037	-6.50%	(489)	7,526
Guysborough	7,294	-7.14%	(561)	7,855
Halifax G	4,376	-14.26%	(728)	5,104
Richmond B	2,277	-15.38%	(414)	2,691
Halifax D *	32,254	-27.47%	(12,215)	44,469
Cumberland A	3,153	-27.85%	(1,217)	4,370
Subtotal	84,940	-15.67%	(15,785)	100,725
% of Total	17.39%			25.78%
Total of Rural Subds.	488,311		95,473	390,639

* - Halifax D lost population to the City of Halifax and the Town of Bedford during the period.

Table 15 : Urban Municipalities Ranked in Descending Order

Town or City	1986 Popn.	1986 Ranking	1981-86 % Change	1976-86 % Change	1961-86 % Change	1961 Ranking	1961 Popn.
Halifax	113,577	1	19	21	6	1	92,511
Dartmouth	65,243	2	5	11	4	2	46,966
Sydney	27,754	3	39	33	37	3	33,617
Glace Bay	20,467	4	36	29	36	4	24,186
Truro	12,124	5	27	25	20	5	12,421
New Glasgow	10,022	6	32	27	15	8	9,782
Amherst	9,671	7	16	26	31	6	10,788
New Waterford	8,326	8	38	34	40	7	10,592
Sydney Mines	8,063	9	37	36	33	9	9,122
Bedford	8,010	10	2	-	-	-	
Yarmouth T.	7,627	11	9	17	34	11	8,636
North Sydney	7,472	12	34	37	35	10	8,657
Bridgewater	6,617	13	18	3	3	16	4,497
Antigonish	5,291	14	10	18	7	17	4,344
Stellarton	5,259	15	26	16	17	13	5,327
Kentville	5,208	16	6	8	10	14	4,612
Springhill	4,712	17	29	35	38	12	5,836
Pictou T.	4,413	18	35	22	21	15	4,534
Westville	4,271	19	40	10	14	18	4,159
Port Hawkesbury	3,869	20	13	20	1	32	1,346
Windsor	3,665	21	12	13	24	19	3,823
Liverpool	3,295	22	17	14	32	20	3,712
Wolfville	3,277	23	11	7	5	24	2,413
Trenton	3,083	24	23	23	19	21	3,140
Lunenburg T.	2,972	25	22	15	22	22	3,056
Dominion	2,754	26	28	28	29	23	2,999
Digby T.	2,525	27	20	12	12	26	2,308
Shelburne T.	2,312	28	14	31	23	25	2,408
Berwick	2,058	29	1	2	2	33	1,282
Middleton	1,772	30	26	19	28	27	1,921
Parrsboro	1,729	31	30	30	26	28	1,834
Oxford	1,376	32	41	32	27	29	1,471
Hantsport	1,357	33	24	24	18	31	1,381
Louisbourg	1,355	34	31	38	25	30	1,417
Canso	1,285	35	8	4	11	35	1,151
Stewiacke	1,265	36	3	6	8	39	1,042
Bridgetown	1,118	37	4	5	13	38	1,043
Clark's Harbour	1,098	38	7	9	9	40	945
Mahone Bay	1,093	39	42	40	16	37	1,103
Mulgrave	1,051	40	33	41	30	36	1,145
Lockeport	917	41	21	39	41	34	1,231
Annapolis Royal	631	42	15	42	39	41	800

V. AN OVERVIEW OF FIVE INTER-CENSAL PERIODS

We have treated the last decade and the last quarter century as single periods in time, in order to allow an overall perspective to be gained. However, comparing populations at the beginning and ending of a period while knowing nothing about the trends in between cannot tell the whole story. It is analagous to comparing the heights above sea level of the start and finish points of a journey without knowing whether the route along the way has been flat or mountainous. This section reviews what took place in each of the five inter-censal periods between 1961 and 1986.

Table 16 gives the population of each county in each census year, and the percentage and absolute changes during each inter-censal period. A quick perusal of the "absolute change" columns makes it obvious that Halifax County provides the lion's share of population growth for the province in each period. The percentage growth figure for the province is thus heavily weighted by Halifax's contribution.

The same table ranks counties by the average of their percentage growths in the five inter-censal periods. The "variance" column indicates the spread of growth rates for each period about this average. Richmond and Inverness show the largest variation in growth rates, followed by Annapolis, Hants, Victoria and Antigonish. Since the average growth

Table 16 : Population Change in Counties 1961-86 - Part 1

County	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.	1976-81 % Change	1976-81 Absolute Change	1976 Popn.	1971-76 % Change	1971-76 Absolute Change
Hants	36,548	10.35%	3,427	33,121	2.28%	738	32,383	11.92%	3,448
Halifax	306,416	6.35%	18,301	288,115	1.63%	4,621	283,494	6.49%	17,286
Lunenburg	46,483	1.61%	737	45,746	7.92%	3,358	42,388	10.32%	3,966
Colchester	45,093	4.32%	1,869	43,224	3.48%	1,453	41,771	10.61%	4,008
Antigonish	18,776	3.69%	669	18,107	3.04%	534	17,573	4.51%	759
Kings	53,275	7.11%	3,536	49,739	3.67%	1,762	47,977	6.67%	3,002
Inverness	21,946	-1.75%	(391)	22,337	2.59%	564	21,773	6.86%	1,398
Yarmouth	27,073	2.98%	783	26,290	4.28%	1,080	25,210	2.14%	528
Shelburne	17,516	1.08%	188	17,328	2.11%	358	16,970	1.85%	309
Pictou	49,772	-1.21%	(608)	50,380	2.66%	1,304	49,076	6.45%	2,972
Digby	21,852	0.76%	164	21,688	3.61%	756	20,932	2.87%	583
Victoria	8,704	3.23%	272	8,432	0.18%	15	8,417	7.59%	594
Richmond	11,841	-3.61%	(443)	12,284	-1.31%	(163)	12,447	-2.25%	(287)
Annapolis	23,589	4.74%	1,068	22,521	-2.96%	(687)	23,208	6.26%	1,367
Queens	13,125	-0.01%	(1)	13,126	1.38%	179	12,947	-0.02%	(3)
Guysborough	12,721	-0.24%	(31)	12,752	-0.57%	(73)	12,825	-0.30%	(39)
Cape Breton	123,625	-2.68%	(3,410)	127,035	-0.93%	(1,194)	128,229	-0.66%	(846)
Cumberland	34,819	-1.17%	(412)	35,231	-1.76%	(631)	35,862	2.00%	702
Average % Change		1.98%			1.74%			4.63%	
Variance		0.08%			0.07%			0.15%	
Prov. Total	873,174	3.03%	25,718	847,456	1.68%	13,974	833,482	5.01%	39,747
Without Halifax	846,101	3.04%	24,935	821,166	1.60%	12,894	808,272	5.10%	39,219

Table 16 : Population Change in Counties 1961-86 - Part 2

County	1971 Popn.	1966-71 % Change	1966-71 Absolute Change	1966 Popn.	1961-66 % Change	1961-66 Absolute Change	1961 Popn.	Average	Variance*
Hants	28,935	7.59%	2,042	26,893	1.70%	449	26,444	6.77%	0.17%
Halifax	266,208	8.68%	21,272	244,936	8.52%	19,222	225,714	6.34%	0.06%
Lunenburg	38,422	6.39%	2,308	36,114	3.19%	1,116	34,998	5.89%	0.10%
Colchester	37,763	5.78%	2,063	35,700	4.06%	1,393	34,307	5.65%	0.07%
Antigonish	16,814	12.92%	1,924	14,890	3.69%	530	14,360	5.57%	0.14%
Kings	44,975	3.99%	1,726	43,249	3.60%	1,502	41,747	5.01%	0.02%
Inverness	20,375	12.25%	2,223	18,152	-3.02%	(566)	18,718	3.38%	0.32%
Yarmouth	24,682	4.80%	1,130	23,552	0.71%	166	23,386	2.98%	0.02%
Shelburne	16,661	2.32%	377	16,284	7.08%	1,076	15,208	2.89%	0.05%
Pictou	46,104	3.63%	1,614	44,490	1.33%	582	43,908	2.57%	0.06%
Digby	20,349	2.63%	522	19,827	-1.92%	(389)	20,216	1.59%	0.04%
Victoria	7,823	-2.22%	(178)	8,001	-3.21%	(265)	8,266	1.11%	0.15%
Richmond	12,734	13.51%	1,516	11,218	-1.37%	(156)	11,374	0.99%	0.40%
Annapolis	21,841	1.21%	262	21,579	-4.72%	(1,070)	22,649	0.91%	0.18%
Queens	12,950	1.12%	143	12,807	-2.65%	(348)	13,155	-0.04%	0.02%
Guysborough	12,864	0.27%	34	12,830	-3.34%	(444)	13,274	-0.84%	0.02%
Cape Breton	129,075	-0.38%	(497)	129,572	-1.47%	(1,935)	131,507	-1.23%	0.01%
Cumberland	35,160	-2.15%	(773)	35,933	-4.86%	(1,834)	37,767	-1.59%	0.05%
Average % Change		4.57%			0.41%				
Variance*		0.24%			0.12%				
Prov. Total	793,735	4.99%	37,708	756,027	2.58%	19,029	736,998	3.46%	0.02%
Without Halifax	769,053	4.99%	36,578	732,475	2.64%	18,863	713,612	3.47%	0.02%

* The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.

MAP 10

Counties	Average of Growth Rates for Five Inter-Censal Periods
1 faster than province	
2 slower than province	
3 absolute decline	

rates for the province with and without Halifax County are practically identical, only the three groups displayed on Map 10 can be separated. The map shows exactly the same counties in the "growth faster than province" and "absolute decline" categories as does Map 7, based on the single 1961-86 total growth rates.

Averaging growth rates can still be obscuring some information, such as a high growth rate in a single inter-censal period being balanced by a low one at another time. Table 17 ranks the counties' growth rates in each inter-censal period and then averages the rankings and ranks the averages thus calculated. Map 11 shows the four growth classes as defined by natural breakpoints in the average of rankings value. The only differences from Map 7 are for Digby and Queens, which are both at breakpoints and thus could just as well fall into the next lower category. Based on rankings, Richmond shows the greatest variation, followed by a close grouping of Annapolis, Victoria, and Inverness.

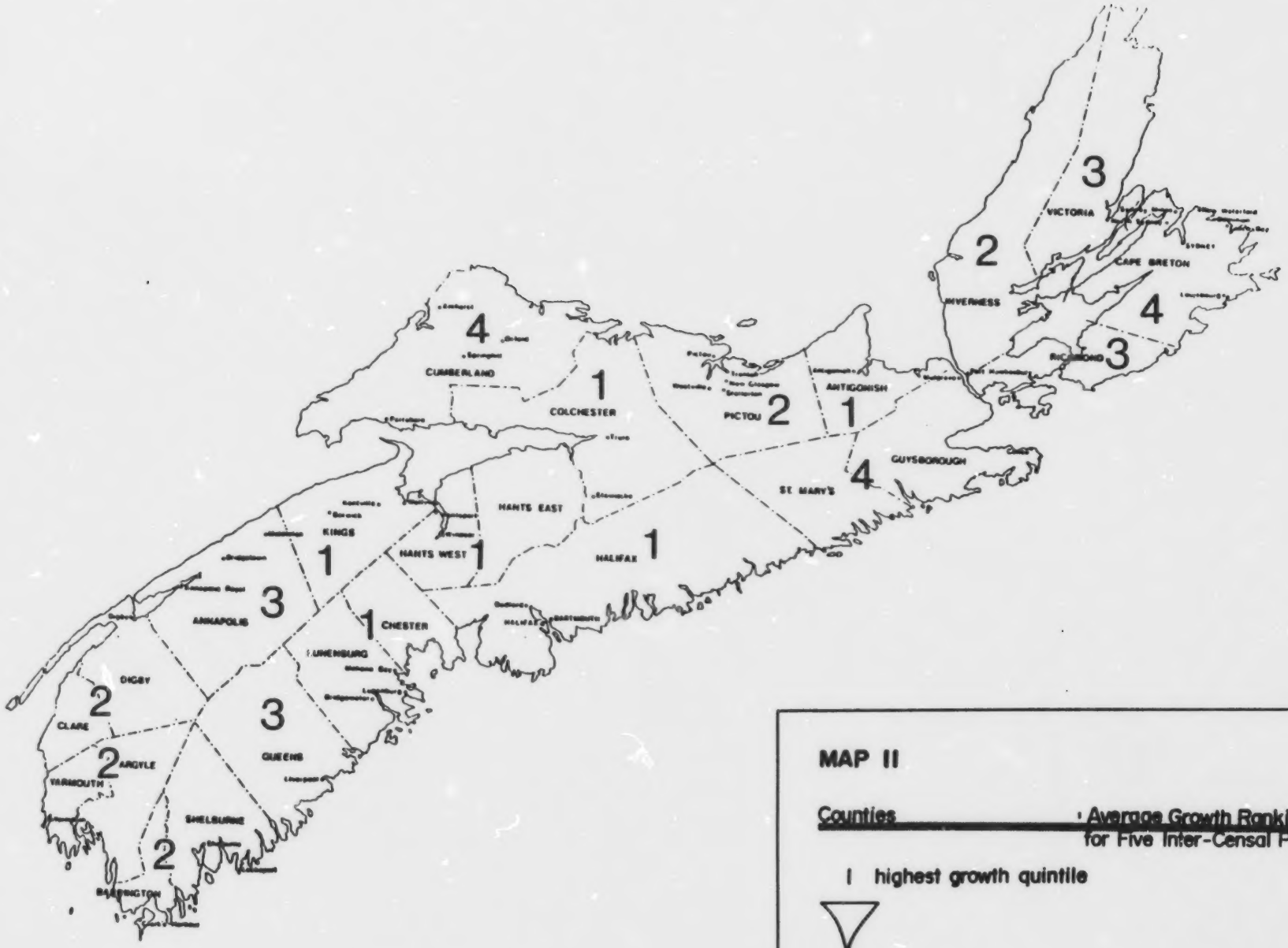
Overall, at least for counties, examining the five inter-censal periods does not seem to add any information on relative degrees of growth.

The same averaging and ranking procedure that was done for counties is carried out for rural municipalities in Tables 18 and 19. Maps 12 and 13 give the results for the two tables. Displaying by average growth quintile in Map 12 gives exactly the same results as does Map 8, using the 1961-86 percentage growth. Comparing Map 13 with its average

Table 17 : Population Change Rankings for Counties 1961-86

County	1981-86	1976-81	1971-76	1966-71	1961-66	Average	Variance*
Colchester	5	5	2	7	3	4.4	3.04
Hants	1	9	1	5	7	4.6	10.24
Lunenburg	9	1	3	6	6	5	7.6
Kings	2	3	6	9	5	5	6
Halifax	3	11	7	4	1	5.2	12.16
Antigonish	6	6	10	2	4	5.6	7.04
Yarmouth	8	2	12	8	9	7.8	10.56
Inverness	16	8	5	3	14	9.2	25.36
Shelburne	10	10	14	12	2	9.6	16.64
Pictou	15	7	8	10	8	9.6	8.24
Digby	11	4	11	11	12	9.8	8.56
Victoria	7	13	4	18	15	11.4	26.64
Annapolis	4	18	9	13	17	12.2	26.96
Richmond	18	16	18	1	10	12.6	42.24
Queens	12	12	15	14	13	13.2	1.36
Guysborough	13	14	16	15	16	14.8	1.36
Cape Breton	17	15	17	16	11	15.2	4.96
Cumberland	14	17	13	17	18	15.8	3.76

* The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread are the values.



MAP II

Counties — Average Growth Rankings for Five Inter-Censal Periods

1 highest growth quintile

5 lowest growth quintile

Table 18 : Population Changes in Rural Municipalities 1961-86 - Part 1

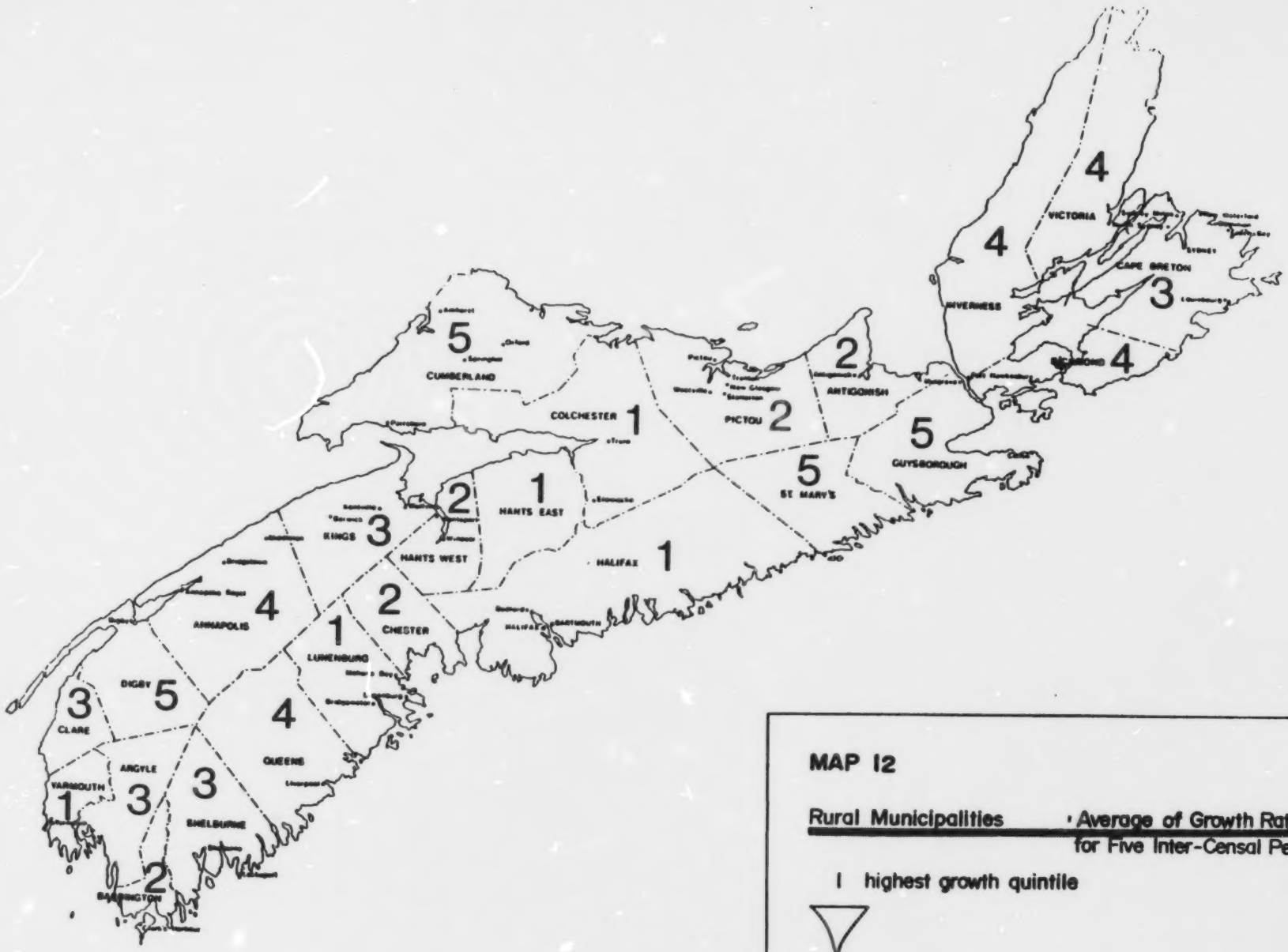
Rural Munic.	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.	1976-81 % Change	1976-81 Absolute Change	1976 Popn.	1971-76 % Change	1971-76 Absolute Change
Hants East	17,501	16.67%	2,501	15,000	6.82%	958	14,042	17.20%	2,061
Colchester	31,242	6.77%	1,980	29,262	6.31%	1,738	27,524	17.48%	4,096
Yarmouth	10,380	5.47%	538	9,842	12.26%	1,075	8,767	14.75%	1,127
Halifax *	119,567	14.46%	15,108	104,459	9.64%	9,184	95,275	27.68%	20,657
Lunenburg	25,196	2.45%	603	24,593	10.98%	2,433	22,160	13.98%	2,718
Antigonish	13,294	4.41%	562	12,732	6.14%	736	11,996	7.42%	829
Pictou	22,510	2.56%	562	21,948	5.56%	1,156	20,792	13.93%	2,542
Chester	10,579	3.29%	337	10,242	2.88%	287	9,955	8.19%	754
Barrington	7,824	1.88%	144	7,680	5.81%	422	7,258	4.87%	337
Hants West	13,345	7.15%	891	12,454	-1.49%	(188)	12,642	12.59%	1,414
Kings	42,662	7.26%	2,889	39,773	4.42%	1,682	38,091	7.47%	2,647
Argyle	9,055	1.18%	106	8,949	3.84%	331	8,618	1.19%	101
Shelburne	5,365	0.15%	8	5,357	5.16%	263	5,094	6.99%	333
Cape Breton	45,258	1.28%	570	44,688	4.00%	1,719	42,969	6.83%	2,748
Clare	9,740	1.48%	142	9,598	4.91%	449	9,149	1.92%	172
Annapolis	20,051	5.48%	1,042	19,009	-3.06%	(601)	19,610	7.90%	1,436
Richmond	11,624	-3.79%	(458)	12,082	-1.62%	(199)	12,281	-2.28%	(287)
Queens	9,830	0.30%	29	9,801	2.24%	215	9,586	3.25%	302
Victoria	8,366	2.70%	220	8,146	-0.12%	(10)	8,156	7.01%	534
Inverness	17,668	-2.02%	(364)	18,032	3.83%	665	17,367	4.10%	684
Digby	9,543	0.51%	48	9,495	3.18%	293	9,202	2.66%	238
St. Mary's	3,091	2.01%	61	3,030	-2.45%	(76)	3,106	0.88%	27
Cumberland	17,331	-0.29%	(51)	17,382	2.10%	358	17,024	2.23%	372
Guysborough	7,294	-1.00%	(74)	7,368	0.38%	28	7,340	-0.54%	(40)
Average % Change		3.35%			3.82%			7.82%	
Variance		0.14%			0.16%			0.42%	
All Rurals	488,316	5.94%	27,394	460,922	5.23%	22,918	438,004	11.68%	45,802
Without Halifax	479,261	6.04%	27,288	451,973	5.26%	22,587	429,386	11.91%	45,701

* Halifax County lost population to the Town of Bedford during the inter-censal period of 1976-81.

Table 18 : Population Changes in Rural Municipalities 1961-86 - Part 2

Rural Munic.	1971 Popn.	1966-71 % Change	1966-71 Absolute Change	1966 Popn.	1961-66 % Change	1961-66 Absolute Change	1961 Popn.	Average Variance **	
Hants East	11,981	14.34%	1,503	10,478	0.57%	59	10,419	11.12%	0.42%
Colchester	23,428	9.01%	1,936	21,492	4.00%	826	20,666	8.71%	0.22%
Yarmouth	7,640	7.55%	536	7,104	2.44%	169	6,935	8.49%	0.20%
Halifax *	74,618	-24.90%	(24,742)	99,360	15.22%	13,128	86,232	8.42%	3.13%
Lunenburg	19,442	4.38%	816	18,626	1.14%	210	18,416	6.59%	0.25%
Antigonish	11,167	12.82%	1,269	9,898	0.27%	27	9,871	6.21%	0.17%
Pictou	18,250	7.10%	1,210	17,040	1.33%	223	16,817	6.10%	0.20%
Chester	9,201	11.08%	918	8,283	4.50%	357	7,926	5.99%	0.10%
Barrington	6,921	5.68%	372	6,549	9.96%	593	5,956	5.64%	0.07%
Hants West	11,228	4.50%	484	10,744	3.57%	370	10,374	5.27%	0.21%
Kings	35,444	3.70%	1,264	34,180	2.38%	795	33,385	5.05%	0.04%
Argyle	8,517	4.93%	400	8,117	3.93%	307	7,810	3.01%	0.02%
Shelburne	4,761	-0.71%	(34)	4,795	2.72%	127	4,668	2.86%	0.09%
Cape Breton	40,221	1.28%	509	39,712	0.17%	68	39,644	2.71%	0.06%
Clare	8,977	4.85%	415	8,562	0.27%	23	8,539	2.68%	0.03%
Annapolis	18,174	1.25%	225	17,949	-4.96%	(936)	18,885	1.32%	0.24%
Richmond	12,568	13.76%	1,520	11,048	-1.80%	(202)	11,250	0.85%	0.42%
Queens	9,284	1.00%	92	9,192	-2.61%	(246)	9,438	0.84%	0.04%
Victoria	7,622	-2.22%	(173)	7,795	-3.55%	(287)	8,082	0.76%	0.14%
Inverness	16,683	4.07%	652	16,031	-6.69%	(1,150)	17,181	0.66%	0.19%
Digby	8,964	0.41%	37	8,927	-4.31%	(402)	9,329	0.49%	0.07%
St. Mary's	3,079	-2.25%	(71)	3,150	0.86%	27	3,123	-0.19%	0.03%
Cumberland	16,652	-0.53%	(89)	16,741	-6.15%	(1,097)	17,838	-0.53%	0.09%
Guysborough	7,380	0.19%	14	7,366	-6.23%	(489)	7,855	-1.44%	0.06%
Average % Change		3.39%			0.71%				
Variance		0.55%			0.26%				
All Rurals	392,202	-2.71%	(10,937)	403,139	3.20%	12,500	390,639	4.67%	0.22%
Without Halifax	383,685	-2.87%	(11,337)	395,022	3.18%	12,193	382,829	4.70%	0.23%

* Halifax County lost population to the City of Halifax during the inter-censal period of 1966-71.
** The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.



MAP 12

Rural Municipalities — Average of Growth Rates for Five Inter-Censal Periods

1 highest growth quintile

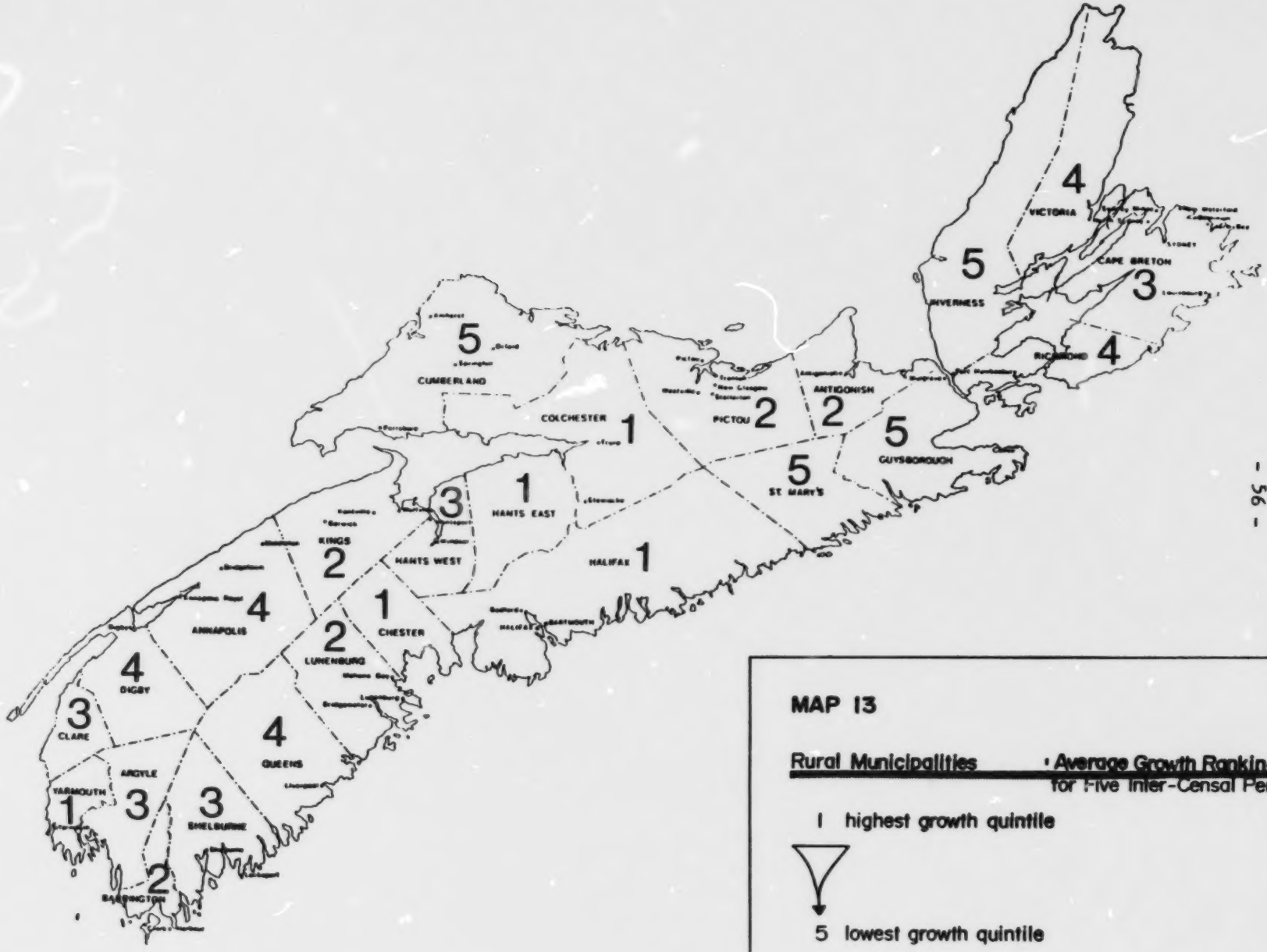
5 lowest growth quintile

Table 19 : Population Change Rankings for Rural Municipalities 1961-86

Rural Munic.	1981-86	1976-81	1971-76	1966-71	1961-66	Average	Variance **
Colchester	5	5	2	5	4	4.2	1.36
Hants East	1	4	3	1	13	4.4	19.84
Yarmouth	7	1	4	6	8	5.2	6.16
Halifax *	2	3	1	24	1	6.2	79.76
Chester	9	16	8	4	3	8	21.2
Pictou	11	8	6	7	10	8.4	3.44
Lunenburg	12	2	5	12	11	8.4	17.04
Antigonish	8	6	11	3	14	8.4	14.64
Barrington	14	7	15	8	2	9.2	22.96
Kings	3	11	10	14	9	9.4	13.04
Hants West	4	21	7	11	6	9.8	36.56
Argyle	17	13	21	9	5	13	32
Clare	15	10	20	10	15	14	14
Shelburne	20	9	13	21	7	14	32
Cape Breton	16	12	14	15	16	14.6	2.24
Annapolis	6	24	9	16	21	15.2	46.96
Victoria	10	20	12	22	19	16.6	22.24
Queens	19	17	17	17	18	17.6	0.64
Digby	18	15	18	18	20	17.8	2.56
Richmond	24	22	24	2	17	17.8	68.96
Inverness	23	14	16	13	24	18	21.2
St. Mary's	13	23	22	23	12	18.6	25.04
Cumberland	21	18	19	20	22	20	2
Guysborough	22	19	23	19	23	21.2	3.36

* Halifax County lost population to the City of Halifax and the Town of Bedford during the 1966-71 and 1976-81 periods.

** The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.



MAP 13

Rural Municipalities — Average Growth Rankings for Five Inter-Censal Periods

1 highest growth quintile

5 lowest growth quintile

ranking quintiles with Map 8, however, gives some slight differences. Digby, Kings, and Chester move up one quintile, while Lunenburg, Hants West and Inverness move down one quintile. These differences may not be significant, for each of these is at the division point between quintiles in either Table 18 or 19.

Among rural municipalities, Halifax shows the highest variation in relative growth in either table, due to the City of Halifax amalgamation. Richmond and Annapolis are among the next five highest in variation in either case, but the other highest variation cases tend to be fast growth municipalities in Table 18 but slower growth municipalities in Table 19. Because the faster growth municipalities tend to stay consistently near the top of the ranking, it is the variation in relative ranking in the lower growth cases which is of greater interest.

Table 20 translates the municipalities in the various quintiles of growth rate ranking and variation ranking into a matrix. High growth, low variation cases - Colchester, Yarmouth, Pictou, Kings - are in the upper left corner. Lower growth, high variation cases - Victoria, Annapolis, Richmond, St. Mary's - are located in the opposite corner. Queens, Digby, Cumberland, and Guysborough show low growth and low variation; while Barrington and Halifax have high growth and high variation. The remaining 10 municipalities are in the medium range either in growth or in variation.

Table 20 : Growth versus Variation Matrix for Rural Municipalities

Average Growth Ranking Quintile	Variation in Growth Ranking - Quintile				
	Very Low	Low	Medium	High	Very High
Very High	Colchester	Yarmouth	Hants East Chester		Halifax
High		Pictou Kings	Lunenburg Antigonish	Barrington	
Medium	Cape Breton	Clare		Argyle Shelburne	Hants West
Low	Queens Digby			Victoria	Annapolis Richmond
Very Low	Cumberland	Guysborough	Inverness	St. Mary's	

Table 21 : 1961-86 Population Changes in Rural Census Subdivisions - Part 1

Census Subdivision	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.	1976-81 % Change	1976-81 Absolute Change	1976 Popn.	1971-76 % Change	1971-76 Absolute Change
Halifax C	38,503	14.66%	4,922	33,581	13.97%	4,115	29,466	74.91%	12,620
Kings C	6,813	16.16%	948	5,865	22.75%	1,087	4,778	44.22%	1,465
Halifax E	16,148	12.12%	1,746	14,402	8.14%	1,084	13,318	24.76%	2,643
Halifax A	9,028	12.04%	970	8,058	10.32%	754	7,304	15.94%	1,004
Hants E.	17,501	16.67%	2,501	15,000	6.82%	958	14,042	17.20%	2,061
Colchester C	11,569	8.22%	879	10,690	8.84%	868	9,822	17.46%	1,460
Colchester B	16,096	6.60%	997	15,099	5.40%	774	14,325	19.84%	2,372
Yarmouth M.	10,380	5.47%	538	9,842	12.26%	1,075	8,767	14.75%	1,127
Pictou E	6,447	2.89%	181	6,266	8.26%	478	5,788	19.54%	946
Antigonish A	6,718	7.89%	491	6,227	9.63%	547	5,680	14.79%	732
Halifax B	13,220	10.31%	1,236	11,984	0.46%	55	11,929	8.75%	960
Pictou A	6,622	4.94%	312	6,310	8.85%	513	5,797	16.13%	805
Lunenburg M.	25,196	2.45%	603	24,593	10.98%	2,433	22,160	13.98%	2,718
Chester	10,579	3.29%	337	10,242	2.88%	287	9,955	8.19%	754
Barrington	7,824	1.88%	144	7,680	5.81%	422	7,258	4.87%	337
Hants W.	13,345	7.15%	891	12,454	-1.49%	(168)	12,642	12.59%	1,414
Cumberland C	4,783	2.62%	122	4,661	10.40%	439	4,222	14.11%	522
Cape Breton C	2,800	0.43%	12	2,788	5.57%	147	2,641	14.58%	336
Inverness C	4,148	-4.71%	(205)	4,353	4.87%	202	4,151	-0.17%	(7)
Antigonish B	6,576	1.09%	71	6,505	2.99%	189	6,316	1.56%	97
Pictou C	9,441	0.74%	69	9,372	1.79%	165	9,207	9.40%	791
Kings B	10,636	5.51%	555	10,081	7.24%	681	9,400	7.10%	623
Cape Breton A	17,832	2.94%	509	17,323	3.89%	649	16,674	9.95%	1,509
Argyle	9,055	1.18%	106	8,949	3.84%	331	8,618	1.19%	101
Shelburne M.	5,365	0.15%	8	5,357	5.16%	263	5,094	6.99%	333
Kings A	20,122	7.30%	1,369	18,753	-0.09%	(17)	18,770	1.86%	343
Queens A	3,310	0.98%	32	3,278	3.44%	109	3,169	5.18%	156
Clare	9,740	1.48%	142	9,598	4.91%	449	9,149	1.92%	172
Halifax F	6,033	2.99%	175	5,858	1.09%	63	5,795	-1.33%	(78)
Halifax D	32,254	23.81%	6,202	26,052	14.51%	3,302	22,750	19.84%	3,766
Richmond A	4,702	-3.63%	(177)	4,879	0.58%	28	4,851	-1.64%	(81)
Annapolis C	4,551	4.52%	197	4,354	4.54%	189	4,165	5.20%	206
Kings D	5,091	0.34%	17	5,074	-1.34%	(65)	5,143	4.38%	216
Colchester A	3,577	2.99%	104	3,473	2.84%	96	3,377	8.48%	264
Annapolis D	2,668	5.66%	143	2,525	3.65%	89	2,436	10.88%	239
Cape Breton B	24,626	0.20%	49	24,577	3.90%	923	23,654	3.97%	903
Richmond C	4,645	-3.37%	(162)	4,807	-1.98%	(97)	4,904	-1.27%	(63)
Annapolis A	8,619	8.17%	651	7,968	-10.31%	(916)	8,884	10.94%	876
Victoria B	4,540	2.28%	101	4,439	0.38%	17	4,422	8.86%	360
Annapolis B	4,213	1.23%	51	4,162	0.90%	37	4,125	2.87%	115
Inverness B	6,483	-0.40%	(26)	6,509	2.02%	129	6,380	8.23%	485
Victoria A	3,826	3.21%	119	3,707	-0.72%	(27)	3,734	4.89%	174
Digby M.	9,543	0.51%	48	9,495	3.18%	293	9,202	2.66%	238
Queens B	6,520	-0.05%	(3)	6,523	1.65%	106	6,417	2.33%	146
Cumberland B	4,585	-0.37%	(17)	4,602	1.21%	55	4,547	2.48%	110
St. Mary's	3,091	2.01%	61	3,030	-2.45%	(76)	3,106	0.88%	27
Cumberland D	4,810	0.56%	27	4,783	-1.10%	(53)	4,836	-0.74%	(36)
Inverness A	7,037	-1.85%	(133)	7,170	4.89%	334	6,836	3.11%	206
Guysborough	7,294	-1.00%	(74)	7,368	0.38%	28	7,340	-0.54%	(40)
Halifax G	4,376	-3.04%	(137)	4,513	-4.24%	(200)	4,713	-5.19%	(258)
Richmond B	2,277	-4.97%	(119)	2,396	-5.15%	(130)	2,526	-5.36%	(143)
Cumberland A	3,153	-5.49%	(183)	3,336	-2.43%	(83)	3,419	-6.15%	(224)
All Rural Subds.	488,311	5.94%	27,400	460,911	5.23%	22,907	438,004	11.68%	45,802
Without Hfx. D	456,057	4.87%	21,198	434,859	4.72%	19,605	415,254	11.26%	42,036

Table 21 : 1961-86 Population Changes in Rural Census Subdivisions - Part 2

Census Subdivision	1971 Popn.	1966-71 % Change	1966-71 Absolute Change	1966 Popn.	1961-66 % Change	1961-66 Absolute Change	1961 Popn.	Average Growth	Variance **
Halifax C	16,846	48.03%	5,466	11,380	25.63%	2,322	9,058	35.44%	5.41%
Kings C	3,313	30.54%	775	2,538	5.79%	139	2,399	23.89%	1.69%
Halifax E	10,675	14.53%	1,354	9,321	12.89%	1,064	8,257	14.49%	0.31%
Halifax A	6,300	12.36%	693	5,607	11.67%	586	5,021	12.47%	0.03%
Hants E.	11,981	14.34%	1,503	10,478	0.57%	59	10,419	11.12%	0.42%
Colchester C	8,362	11.90%	889	7,473	5.91%	417	7,056	10.47%	0.16%
Colchester B	11,953	9.93%	1,080	10,873	4.57%	475	10,398	9.27%	0.31%
Yarmouth M.	7,640	7.55%	536	7,104	2.44%	169	6,935	8.49%	0.20%
Pictou B	4,842	7.74%	348	4,494	3.76%	163	4,331	8.44%	0.35%
Antigonish A	4,948	9.57%	432	4,516	-0.07%	(3)	4,519	8.36%	0.23%
Halifax B	10,969	8.20%	831	10,138	12.72%	1,144	8,994	8.09%	0.17%
Pictou A	4,992	6.51%	305	4,687	-1.31%	(62)	4,749	7.02%	0.32%
Lunenburg M.	19,442	4.38%	816	18,626	1.14%	210	18,416	6.59%	0.25%
Chester	9,201	11.08%	918	8,283	4.50%	357	7,926	5.99%	0.10%
Barrington	6,921	5.68%	372	6,549	9.96%	593	5,956	5.64%	0.07%
Hants W.	11,228	4.50%	484	10,744	3.57%	370	10,374	5.27%	0.21%
Cumberland C	3,700	1.68%	61	3,639	-2.93%	(110)	3,749	5.17%	0.38%
Cape Breton	2,305	4.49%	99	2,206	-0.81%	(18)	2,224	4.85%	0.29%
Inverness C	4,158	22.44%	762	3,396	0.62%	21	3,375	4.61%	0.89%
Antigonish B	6,219	15.55%	837	5,382	0.56%	30	5,352	4.35%	0.32%
Pictou C	8,416	7.09%	557	7,859	1.58%	122	7,737	4.12%	0.12%
Kings B	8,777	2.12%	182	8,595	-2.48%	(219)	8,814	3.90%	0.14%
Cape Breton	15,165	1.83%	272	14,893	0.45%	66	14,827	3.81%	0.11%
Argyle	8,517	4.93%	400	8,117	3.93%	307	7,810	3.01%	0.02%
Shelburne M.	4,761	-0.71%	(34)	4,795	2.72%	127	4,668	2.86%	0.09%
Kings A	18,427	0.98%	178	18,249	3.59%	633	17,616	2.73%	0.07%
Queens A	3,013	1.18%	35	2,978	2.73%	79	2,899	2.70%	0.02%
Clare	8,977	4.85%	415	8,562	0.27%	23	8,539	2.68%	0.03%
Halifax F	5,873	9.71%	520	5,353	0.45%	24	5,329	2.58%	0.15%
Halifax D *	18,984	-63.95%	(33,670)	52,654	18.41%	8,185	44,469	2.52%	11.13%
Richmond A	4,932	20.50%	839	4,093	-3.51%	(149)	4,242	2.46%	0.84%
Annapolis C	3,959	4.27%	162	3,797	-6.34%	(257)	4,054	2.44%	0.19%
Kings D	4,927	2.69%	129	4,798	5.31%	242	4,556	2.28%	0.06%
Colchester A	3,113	-1.05%	(33)	3,146	-2.05%	(66)	3,212	2.24%	0.14%
Annapolis D	2,197	-0.86%	(19)	2,216	-9.96%	(245)	2,461	1.88%	0.49%
Cape Breton	22,751	0.61%	138	22,613	0.09%	20	22,593	1.75%	0.03%
Richmond C	4,967	11.12%	497	4,470	3.54%	153	4,317	1.61%	0.28%
Annapolis A	8,008	-1.06%	(86)	8,094	-2.77%	(231)	8,325	0.99%	0.59%
Victoria B	4,062	-3.88%	(164)	4,226	-3.03%	(132)	4,358	0.92%	0.21%
Annapolis B	4,010	4.37%	168	3,842	-5.02%	(203)	4,045	0.87%	0.10%
Inverness B	5,895	1.29%	75	5,820	-7.32%	(460)	6,280	0.76%	0.25%
Victoria A	3,560	-0.25%	(9)	3,569	-4.16%	(155)	3,724	0.59%	0.10%
Digby M.	8,964	0.41%	37	8,927	-4.31%	(402)	9,329	0.49%	0.07%
Queens B	6,271	0.92%	57	6,214	-4.97%	(325)	6,539	-0.02%	0.07%
Cumberland B	4,437	-11.91%	(600)	5,037	8.09%	377	4,660	-0.10%	0.43%
St. Mary's	3,079	-2.25%	(71)	3,150	0.86%	27	3,123	-0.19%	0.03%
Cumberland D	4,872	0.58%	28	4,844	-4.25%	(215)	5,059	-0.99%	0.03%
Inverness A	6,630	-2.71%	(185)	6,815	-9.45%	(711)	7,526	-1.20%	0.25%
Guysborough	7,380	0.19%	14	7,366	-6.23%	(489)	7,855	-1.44%	0.06%
Halifax G	4,971	1.30%	64	4,907	-3.86%	(197)	5,104	-3.00%	0.05%
Richmond B	2,669	7.40%	184	2,485	-7.66%	(206)	2,691	-3.14%	0.29%
Cumberland A	3,643	13.10%	422	3,221	-26.29%	(1,149)	4,370	-5.45%	1.58%
All Rural Subds.	392,202	-2.71%	(10,937)	403,139	3.20%	12,500	390,639	4.67%	0.22%
w/o Hfx. D	373,218	6.49%	22,733	350,485	1.25%	4,315	346,170	5.72%	0.11%

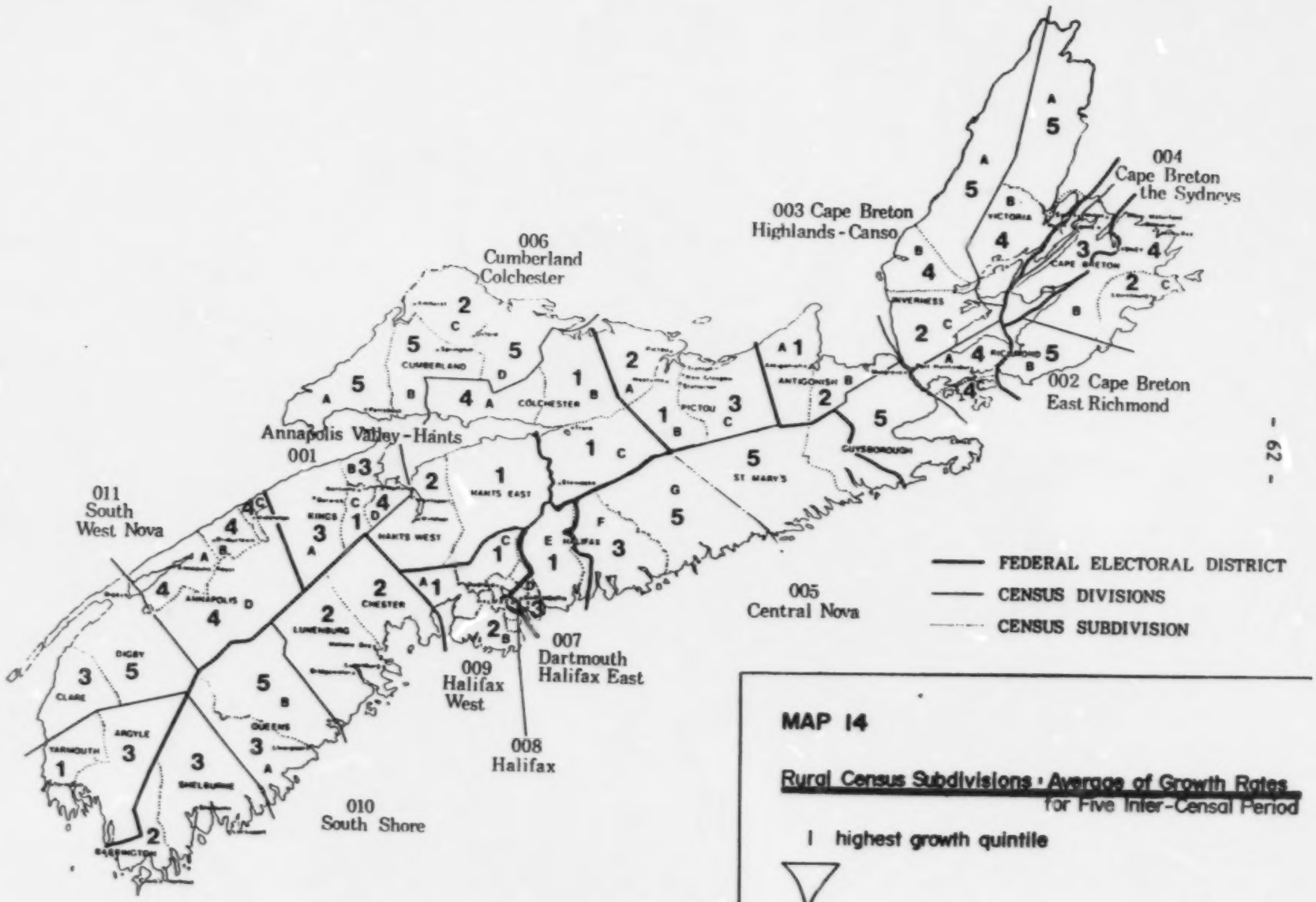
* Halifax D lost population to the City of Halifax during the 1966-71 inter-censal period.

** The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.

The rural census subdivisions making up the rural municipalities are covered in Tables 21 to 23 and Maps 14 and 16. In Table 21, the extent to which Halifax D subdivision distorts the totals for all subdivisions is evident in the difference between the 1966-71 percentage changes for all rural subdivisions and for Halifax D omitted. This subdivision, as expected, shows the largest variation growth rates, followed by Halifax C and Kings C at the top of the growth ranking, Inverness C and Richmond A in the middle, and Cumberland A at the bottom.

Map 14 is based on the quintiles as defined by the average of growth rates for the five inter-censal periods, in Table 21. Of the 52 subdivisions, only 3 - Halifax D, Victoria A, and Annapolis D - differ in Map 9, based on the 1961-86 growth, in the quintile allocated to them.

Table 22 ranks the subdivisions by the average growth rankings for the five periods. Map 15 differs from Map 9 to a somewhat greater degree than Map 14. A total of 9 subdivisions have a different quintile allocation. One of these is Halifax D, which moves from the bottom into the top quintile. Of those remaining, 5 are in the Strait of Canso region and have moved into lower quintiles than the average rate would indicate.



MAP 14

Rural Census Subdivisions - Average of Growth Rates for Five Inter-Censal Period

1 highest growth quintile

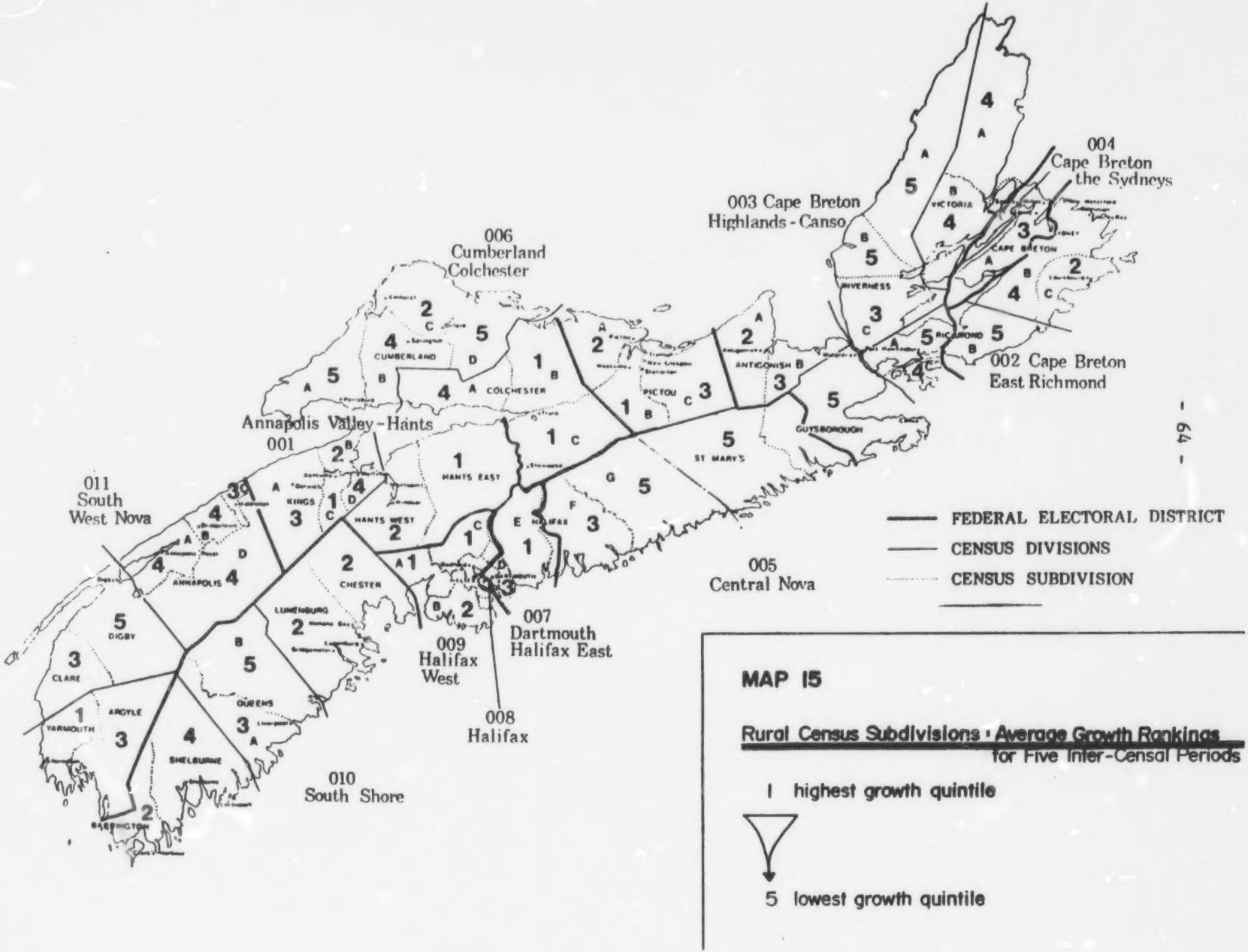
5 lowest growth quintile

Table 22 : Population Change Rankings for Rural Census Subdivisions 1961-86

Census Subdivision	1981-86	1976-81	1971-76	1966-71	1961-66	Average	Variance
Halifax C	4	3	1	1	1	2	1.6
Kings C	3	1	2	2	9	3.4	8.24
Halifax E	5	12	3	6	3	5.8	10.96
Halifax A	6	7	10	9	5	7.4	3.44
Colchester C	8	10	7	10	8	8.6	1.44
Hants E.	2	14	8	7	25	11.2	62.16
Colchester B	13	17	4	13	11	11.6	18.24
Halifax D *	1	2	5	52	2	12.4	393.84
Yarmouth M.	16	4	12	18	20	14	32
Pictou B	24	11	6	17	14	14.4	36.24
Antigonish A	10	8	11	15	31	15	69.2
Halifax B	7	39	22	16	4	17.6	155.44
Pictou A	17	9	9	21	33	17.8	79.36
Lunenburg M.	26	5	15	27	22	19	66.8
Chester	19	30	25	12	12	19.6	50.64
Barrington	29	15	31	22	6	20.6	85.04
Hants W.	12	46	16	25	16	23	150.4
Cumberland C	25	6	14	33	37	23	134
Kings B	15	13	26	31	35	24	75.2
Cape Breton C	38	16	13	26	32	25	88.8
Cape Breton A	23	24	19	32	28	25.2	19.76
Pictou C	35	33	20	20	21	25.8	45.36
Antigonish B	33	29	41	5	26	26.8	144.16
Argyle	32	25	42	23	13	27	93.2
Clare	30	19	39	24	29	28.2	44.56
Inverness C	50	21	44	3	24	28.4	285.84
Queens A	34	27	29	36	18	28.8	39.76
Annapolis C	18	22	28	29	47	28.8	98.96
Kings A	11	42	40	37	15	29	174.8
Halifax F	22	36	48	14	27	29.4	137.44
Shelburne M.	41	18	27	44	19	29.8	118.16
Annapolis D	14	26	18	45	51	30.8	215.76
Colchester A	21	31	23	46	34	31	79.6
Kings D	39	45	32	30	10	31.2	140.56
Annapolis A	9	52	17	47	36	32.2	278.96
Cape Breton B	40	23	33	39	30	33	38.8
Richmond C	48	47	47	11	17	34	270.4
Cumberland B	43	35	37	51	7	34.6	221.44
Annapolis B	31	37	35	28	45	35.2	33.76
Victoria B	27	40	21	50	38	35.2	103.76
Victoria A	20	43	30	43	41	35.4	82.64
Richmond A	49	38	49	4	39	35.8	274.96
Inverness B	44	32	24	35	48	36.6	73.44
Digby M.	37	28	36	41	43	37	26.8
St. Mary's	28	49	43	48	23	38.2	114.16
Queens B	42	34	38	38	44	39.2	12.16
Inverness A	46	20	34	49	50	39.8	130.56
Cumberland D	36	44	46	40	42	41.6	11.84
Cumberland A	52	48	52	8	52	42.4	298.24
Richmond B	51	51	51	19	45	43.4	154.24
Guysborough	45	41	45	42	46	43.8	3.76
Halifax G	47	50	50	34	40	44.2	39.36

* Halifax D lost population to the City of Halifax and the Town of Bedford during the inter-censal periods of 1966-71 and 1976-81.

** The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.


004
Cape Breton
the Sydneys
003 Cape Breton
Highlands - Canso
006
Cumberland
Colchester
002 Cape Breton
East Richmond
Annapolis Valley - Hants
001
011
South
West Nova
005
Central Nova
007
Dartmouth
Halifax East
009
Halifax
West
008
Halifax
010
South Shore
FEDERAL ELECTORAL DISTRICT
CENSUS DIVISIONS
CENSUS SUBDIVISION
MAP 15
Rural Census Subdivisions - Average Growth Rankings
for Five Inter-Censal Periods
1 highest growth quintile
5 lowest growth quintile

Antigonish A is situated at a quintile breakpoint in both rankings, and the others at or immediately next to a breakpoint in one of the other, so the difference may not be significant. However, the geographic clustering seems to make this more than a coincidence. Inverness C, Richmond A, and Antigonish B were numbers 3, 4, and 5 respectively in the rankings by their 1966-71 growth rate. The other periods, in contrast, show negligible growth or decline, resulting in a high variation for these two subdivisions situated on either side of the Point Tupper Industrial Park, whether measured by average growth or average ranking. The high growth rate for Antigonish B contrasts less sharply with low growth rates in the other periods, for a still significant variation. Antigonish A has sizable growths in the four periods following the decline in 1961-66, while Inverness B has a sole period of solid growth in 1971-76. Both thus show some variation.

Table 23 is another matrix relating growth rates to degree of variation, this time for the rural census subdivisions. In the high growth, low variation group are 3 Halifax metro subdivisions, those in south-central Colchester, Kings C, Pictou B, and Yarmouth Municipality. Showing low growth and high variation are all 3 Richmond subdivisions, 2 from Cumberland, 2 from Annapolis, northern Inverness, southern Victoria, St. Mary's, Shelburne, and Kings D. Only four are high growth, high variation: Halifax B and D, Hants West, and Cumberland C: while Digby,

Table 23 : Growth versus Variation Matrix for Rural Census Subdivisions

Average Growth Ranking Quintile	Variation in Growth Ranking - Quintile				
	Very Low	Low	Medium	High	Very High
Very High	Halifax A Halifax C Halifax E Colchester B Colchester C Kings C	Yarmouth Pictou B	Hants East		Halifax D
High		Chester	Antigonish A Pictou A Lunenburg Barrington Kings B Cape Breton C	Hants West Cumberland C	Halifax B
Medium	Cape Breton A	Pictou C Clare Queens A		Antigonish B Argyle Annapolis C Halifax F	Inverness C Kings A
Low		Annapolis B Cape Breton B	Colchester A Victoria A	Shelburne Kings D Victoria B	Annapolis D Annapolis A Richmond C Cumberland B
Very Low	Queens B Cumberland D Guysborough	Digby Halifax G	Inverness B	St. Mary's Inverness A	Richmond A Cumberland A Richmond B

Table 24 : Population Changes in Urban Municipalities 1961-86 - Part 1

Town or City	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.	1976-81 % Change	1976-81 Absolute Change	1976 Popn.	1971-76 % Change	1971-76 Absolute Change
Port Hawkesbury	3,869	0.49%	19	3,850	-3.94%	(158)	4,008	18.86%	636
Bedford*	8,010	18.19%	1,233	6,777	------	-----	-----	------	-----
Berwick	2,058	21.13%	359	1,699	-0.12%	(2)	1,701	20.47%	289
Bridgewater	6,617	-0.78%	(52)	6,669	10.97%	659	6,010	14.89%	779
Dartmouth	65,243	4.76%	2,966	62,277	-4.69%	(3,064)	65,341	0.88%	571
Wolfville	3,277	1.30%	42	3,235	5.27%	162	3,073	7.41%	212
Halifax	113,577	-0.89%	(1,017)	114,594	-2.79%	(3,288)	117,882	-3.40%	(4,153)
Antigonish	5,291	1.71%	89	5,202	-4.41%	(240)	5,442	-0.86%	(47)
Stewiacke	1,265	7.75%	91	1,174	0.00%	0	1,174	12.88%	134
Clark's Harbour	1,098	3.68%	39	1,059	-1.67%	(18)	1,077	-0.46%	(5)
Kentville	5,208	4.70%	234	4,974	-1.62%	(82)	5,056	-2.73%	(142)
Canso	1,285	2.39%	30	1,255	6.99%	82	1,173	-2.98%	(36)
Digby T.	2,525	-1.29%	(33)	2,558	0.63%	16	2,542	7.58%	179
Bridgetown	1,118	6.78%	71	1,047	0.96%	10	1,037	-0.19%	(2)
Westville	4,271	-6.17%	(281)	4,552	7.08%	301	4,251	9.06%	353
New Glasgow	10,022	-4.22%	(442)	10,464	-1.95%	(208)	10,672	-1.63%	(177)
Mahone Bay	1,093	-10.99%	(135)	1,228	-0.65%	(8)	1,236	-7.28%	(97)
Stellarton	5,259	-3.24%	(176)	5,435	1.29%	69	5,366	0.17%	9
Hantsport	1,357	-2.72%	(38)	1,395	-1.97%	(28)	1,423	-1.66%	(24)
Trenton	3,083	-2.25%	(71)	3,154	-2.17%	(70)	3,224	-3.21%	(107)
Pictou T.	4,413	-4.65%	(215)	4,628	0.87%	40	4,588	7.95%	338
Truro	12,124	-3.41%	(428)	12,552	-2.24%	(288)	12,840	-1.79%	(234)
Lunenburg T.	2,972	-1.39%	(42)	3,014	-0.33%	(10)	3,024	-5.94%	(191)
Shelburne T.	2,312	0.39%	9	2,303	-8.28%	(208)	2,511	-6.62%	(178)
Louisbourg	1,355	-3.90%	(55)	1,410	-7.18%	(109)	1,519	-3.98%	(63)
Windsor	3,665	0.52%	19	3,646	-1.51%	(56)	3,702	-1.93%	(73)
Parrsboro	1,729	-3.89%	(70)	1,799	-3.12%	(58)	1,857	2.77%	50
Oxford	1,376	-6.39%	(94)	1,470	-1.87%	(28)	1,498	1.70%	25
Middleton	1,772	-3.38%	(62)	1,834	0.60%	11	1,823	-2.51%	(47)
Mulgrave	1,051	-4.37%	(48)	1,099	-8.87%	(107)	1,206	0.84%	10
Dominion	2,754	-3.57%	(102)	2,856	-2.79%	(82)	2,938	2.05%	59
Amherst	9,671	-0.13%	(13)	9,684	-5.64%	(579)	10,263	2.98%	297
Liverpool	3,295	-0.27%	(9)	3,304	-0.96%	(32)	3,336	-8.70%	(318)
Yarmouth T.	7,617	1.90%	142	7,475	-4.18%	(326)	7,801	-8.40%	(715)
Sydney Mines	8,063	-5.15%	(438)	8,501	-5.18%	(464)	8,965	-0.29%	(26)
North Sydney	7,472	-4.45%	(348)	7,820	-6.00%	(499)	8,319	-3.31%	(285)
Glace Bay	20,467	-4.65%	(999)	21,466	-1.69%	(370)	21,836	-2.69%	(604)
Sydney	27,754	-5.74%	(1,690)	29,444	-3.92%	(1,201)	30,645	-7.78%	(2,585)
Springhill	4,712	-3.76%	(184)	4,896	-6.21%	(324)	5,220	-0.80%	(42)
Annapolis Royal	631	0.00%	0	631	-14.50%	(107)	738	-2.64%	(20)
New Waterford	8,326	-5.47%	(482)	8,808	-4.50%	(415)	9,223	-3.72%	(356)
Lockeport	917	-1.29%	(12)	929	-9.81%	(101)	1,030	-14.74%	(178)
All Towns and Cities	379,974	-0.57%	(2,193)	382,167	-1.14%	(4,403)	386,570	-1.72%	(6,764)
Without Hfx. Dart., Bedford	193,144	-2.71%	(5,375)	198,519	-2.37%	(4,828)	203,347	-1.54%	(3,182)

* Bedford was not incorporated until 1980; therefore it is omitted from the census prior to 1981.

Table 24 : Population Change in Urban Municipalities 1961-86 - Part 2

Town or City	1971 Popn.	1966-71 % Change	1966-71 Absolute Change	1966 Popn.	1961-66 % Change	1961-66 Absolute Change	1961 Popn.	Average Growth Rate	Variance*
Port Hawkesbury	3,372	80.71%	1,506	1,866	38.63%	520	1,346	26.95%	9.49%
Bedford	------	------	-----	-----	------	-----	-----	-----	-----
Berwick	1,412	7.70%	101	1,311	2.26%	29	1,282	10.29%	0.80%
Bridgewater	5,231	10.01%	476	4,755	5.74%	258	4,497	8.16%	0.28%
Dartmouth	64,770	10.26%	6,025	58,745	25.08%	11,779	46,966	7.26%	1.03%
Wolfville	2,861	12.95%	328	2,533	4.97%	120	2,413	6.38%	0.15%
Halifax	122,035	40.61%	35,243	86,792	-6.18%	(5,719)	92,511	5.47%	3.12%
Antigonish	5,489	13.04%	633	4,856	11.79%	512	4,344	4.25%	0.48%
Stewiacke	1,040	5.91%	58	982	-5.76%	(60)	1,042	4.16%	0.42%
Clark's Harbour	1,082	7.98%	80	1,002	6.03%	57	945	3.11%	0.14%
Kentville	5,198	0.43%	22	5,176	12.23%	564	4,612	2.60%	0.30%
Canso	1,209	1.60%	19	1,190	3.39%	39	1,151	2.28%	0.10%
Digby T.	2,363	2.52%	58	2,305	-0.13%	(3)	2,308	1.86%	0.10%
Bridgetown	1,039	-1.98%	(21)	1,060	1.63%	17	1,043	1.44%	0.09%
Westville	3,898	-6.00%	(249)	4,147	-0.29%	(12)	4,159	0.73%	0.41%
New Glasgow	10,849	3.43%	360	10,489	7.23%	707	9,782	0.57%	0.17%
Mahone Bay	1,333	2.85%	37	1,296	17.50%	193	1,103	0.29%	0.98%
Stellarton	5,357	3.20%	166	5,191	-2.55%	(136)	5,327	-0.23%	0.06%
Hantsport	1,447	0.63%	9	1,438	4.13%	57	1,381	-0.32%	0.06%
Trenton	3,331	3.16%	102	3,229	2.83%	89	3,140	-0.33%	0.08%
Pictou T.	4,250	-0.09%	(4)	4,254	-6.18%	(280)	4,534	-0.42%	0.25%
Truro	13,074	0.52%	67	13,007	4.72%	586	12,421	-0.44%	0.08%
Lunenburg T.	3,215	1.93%	61	3,154	3.21%	98	3,056	-0.50%	0.10%
Shelburne T.	2,689	1.32%	35	2,654	10.22%	246	2,408	-0.60%	0.43%
Louisbourg	1,582	-2.16%	(35)	1,617	14.11%	200	1,417	-0.62%	0.57%
Windsor	3,775	0.27%	10	3,765	-1.52%	(58)	3,823	-0.84%	0.01%
Parrsboro	1,807	-1.53%	(28)	1,835	0.05%	1	1,834	-1.14%	0.06%
Oxford	1,473	3.30%	47	1,426	-3.06%	(45)	1,471	-1.27%	0.12%
Middleton	1,870	5.95%	105	1,765	-8.12%	(156)	1,921	-1.49%	0.22%
Mulgrave	1,196	6.41%	72	1,124	-1.83%	(21)	1,145	-1.57%	0.26%
Dominion	2,879	-2.74%	(81)	2,960	-1.30%	(39)	2,999	-1.67%	0.04%
Amherst	9,966	-5.54%	(585)	10,551	-2.20%	(237)	10,788	-2.11%	0.11%
Liverpool	3,654	1.30%	47	3,607	-2.83%	(105)	3,712	-2.29%	0.12%
Yarmouth T.	8,516	2.37%	197	8,319	-3.67%	(317)	8,636	-2.40%	0.16%
Sydney Mines	8,991	-1.96%	(180)	9,171	0.54%	49	9,122	-2.41%	0.06%
North Sydney	8,604	-1.69%	(148)	8,752	1.10%	95	8,657	-2.87%	0.06%
Glace Bay	22,440	-4.58%	(1,076)	23,516	-2.77%	(670)	24,186	-3.28%	0.01%
Sydney	33,230	1.41%	463	32,767	-2.53%	(850)	33,617	-3.71%	0.10%
Springhill	5,262	-2.19%	(118)	5,380	-7.81%	(456)	5,836	-4.15%	0.07%
Annapolis Royal	758	-5.84%	(47)	805	0.63%	5	800	-4.47%	0.30%
New Waterford	9,579	-1.50%	(146)	9,725	-8.19%	(867)	10,592	-4.68%	0.05%
Lockeport	1,208	-5.92%	(76)	1,284	4.31%	53	1,231	-5.49%	0.44%
All Towns and Cities	393,334	12.45%	43,533	349,801	1.82%	6,243	343,558	2.17%	0.28%
Without Hfx. Dart., Bedford	206,529	1.11%	2,265	204,264	0.09%	183	204,081	-1.08%	0.02%

* The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.

Queens and Annapolis B in the west, Cumberland D in the north, and Guysborough, Halifax G, and Cape Breton B in the east show low growth and low variation. The remaining subdivisions are in the middle of one or the other measure.

The urban municipalities in Table 24 whether including or excluding the Halifax-Dartmouth metropolitan area, actually grew in total population throughout the 1960's. The large percentage increase for all towns and cities in the 1966-71 period is due to Halifax's amalgamation initiative. The three periods in the 1970's and 1980's, however, show consistent decreases in total urban population. As was the case with rural municipalities in Table 18, those showing the greatest variation in growth rates tend to be the urban centres of faster growth: Port Hawkesbury, Berwick, Dartmouth, and Halifax. Bedford has a high variation due to data being missing for the earlier periods. Otherwise, only Mahone Bay and Louisbourg show large variation.

Relative growth rankings for the towns and cities are averaged in Table 25. As with the rural municipalities in Table 19, those in the highest variation tend to fall in the lower growth quintiles.

For seven towns and one city, the rankings in Tables 24 and 25 differ considerably. The rankings for Port Hawkesbury, Halifax, Westville, Mahone Bay, and Louisbourg in Table 25 indicate lower relative growth than does Table 24, while the situation is reversed for Lunenburg,

Table 25 : Population Change Rankings in Urban Municipalities 1961-86

Town or City	1981-86	1976-81	1971-76	1966-71	1961-66	Average	Variance*
Bedford	2	------	------	------	------	------	------
Wolfville	11	4	8	4	11	7.6	9.84
Hantsport	24	21	23	24	14	21.2	14.16
New Waterford	38	31	34	29	41	34.6	19.44
Truro	27	23	24	25	12	22.2	27.76
Clark's Harbour	7	17	19	7	9	11.8	26.56
North Sydney	34	35	32	31	20	30.4	29.04
Trenton	23	22	31	15	17	21.6	31.04
Bridgewater	18	1	3	6	10	7.6	36.24
Windsor	12	15	25	27	27	21.2	40.96
Digby T.	20	8	7	17	24	15.2	44.56
Glace Bay	36	18	28	37	32	30.2	47.36
Berwick	1	11	1	8	18	7.8	41.36
Springhill	29	36	20	35	39	31.8	45.36
Sydney	39	27	39	21	30	31.2	48.96
Parrsboro	30	26	11	30	23	24	49.2
Sydney Mines	37	33	18	32	22	28.4	51.44
Dominion	28	25	12	36	26	25.4	59.84
Lunenburg T.	22	12	36	19	16	21	67.2
New Glasgow	32	20	22	12	8	18.8	69.76
Stellarton	25	5	16	14	31	18.2	81.36
Canso	8	3	30	20	15	15.2	88.56
Liverpool	17	14	41	23	33	25.6	101.44
Kentville	6	16	29	26	5	16.4	97.84
Bridgetown	4	6	17	33	19	15.8	108.56
Annapolis Royal	15	41	27	39	21	28.6	101.44
Antigonish	10	30	21	3	6	14	101.2
Amherst	16	34	10	38	29	25.4	114.24
Port Hawkesbury	13	28	2	1	1	9	110.8
Dartmouth	5	32	14	5	2	11.6	120.24
Middleton	26	9	26	10	40	22.2	133.76
Yarmouth T.	9	29	40	18	35	26.2	127.76
Oxford	41	19	13	13	34	24	131.2
Mulgrave	33	39	15	9	28	24.8	124.96
Stewiacke	3	10	4	11	36	12.8	144.56
Lockeport	21	40	42	40	13	31.2	141.36
Louisbourg	31	37	35	34	4	28.2	150.16
Halifax	19	24	33	2	38	23.2	156.56
Shelburne T.	14	38	37	22	7	23.6	151.44
Pictou T.	35	7	6	28	37	22.6	181.84
Mahone Bay	42	13	38	16	3	22.4	226.64
Westville	40	2	5	41	25	22.6	276.24

* The variance gives a measure of the extent of the spread of the data about its average value: i.e., the larger the variance, the more spread-out are the values.

Table 26 : Growth versus Variation Matrix for Urban Municipalities *

Average Growth Ranking Quintile	Variation in Growth Ranking - Quintile				
	Very Low	Low	Medium	High	Very High
Very High	Wolfville Clark's Harbour	Bridgewater Berwick		Port Hawkesbury Dartmouth	Stewiacke
High		Digby T.	Canso Kentville Stellarton New Glasgow Lunenburg T.	Bridgetown Antigonish T.	
Medium	Hantsport Trenton Truro	Windsor		Middleton	Mahone Bay Pictou T. Westville
Low		Parrsboro	Dominion Liverpool	Oxford Amherst Yarmouth T.	Halifax C. Shelburne T. Mulgrave
Very Low	North Sydney New Waterford	Glace Bay Sydney Springhill	Sydney Mines	Annapolis Royal	Louisbourg Lockeport

* The Town of Bedford is omitted because it was not incorporated until 1980.

Windsor, and Middleton. Each of the first five had one to three periods when they ranked in the top five in percentage growth: however, rankings for the remaining periods were very low, resulting in a low average. The remaining three each had three periods of absolute decline with low growth rates in the remaining periods, making for a low average percentage growth.

The growth versus variation matrix in Table 26 is made from Table 25 data. High growth, low variation communities are Bedford, Wolfville, Clark's Harbour, Bridgewater, Berwick, and Digby; those still high growth but also high variation are Port Hawkesbury, Dartmouth, Stewiacke, Bridgetown, and Antigonish. Low growth, low variation cases include four Cape Breton and two Cumberland communities: North Sydney, New Waterford, Glace Bay, Sydney, Parrsboro, and Springhill. The two other Cumberland towns - Oxford and Amherst - show low growth and high variation, along with Yarmouth, Annapolis Royal, Halifax, Shelburne, Mulgrave, Louisbourg and Lockeport. It should be remembered in interpreting those results that only the two highest growth quintiles show any actual absolute increase in population.

VI. THE HALIFAX METROPOLITAN AREA

The urban municipaliites and rural census subdivisions which make up the Halifax Census Metropolitan Area (CMA), as defined in the 1986 Census, are singled out for presentation in Table 27. The CMA grew from a population of 215,000 in 1961 to one of 296,000 in 1986, for an absolute increase of 81,000 or percentage increase of 38%.

A substantial shift in population out of the Halifax D Census Subdivision came about during the period as a result of the 1971 City of Halifax amalgamation and the 1981 incorporation of the Town of Bedford. The subdivision population dropped from 45,000 in 1961 to 32,000 in 1986. Nevertheless, despite the resultant increase (a 34 percent increase from 140,000 in 1961 to 187,000 in 1986) in the incorporated urban population, its share of the total metropolitan population dropped from 65 percent to 63 percent.

The largest rural census subdivision in 1986 was Halifax C. It expanded by 30,000 over the 25 years, for a 325 percent increase. The next largest was Halifax D, which grew by 13,000 or 70 percent between 1971 and 1986. Halifax E grew by 8,000 or 96 percent between 1961 and 1986: and Halifax A by 4,000 or 80 percent.

The part of the Halifax CMA within the County of Halifax grew from 76,000 in 1961 to 89,000 in 1966, only to fall to 64,000 in 1971. From this low point, its population increased to 109,000 by 1986.

Table 27 : 1961-86 Population Changes in Halifax Metropolitan Area - Part 1

Census Subdivision	1986 Popn.	1981-86 % Change	1981-86 Absolute Change	1981 Popn.	1976-81 % Change	1976-81 Absolute Change	1976 Popn.	1971-76 % Change	1971-76 Absolute Change
Halifax A	9,028	12.04%	970	8,058	10.32%	754	7,304	15.94%	1,004
Halifax B	13,220	10.31%	1,236	11,984	0.46%	55	11,929	8.75%	960
Halifax C	38,503	14.66%	4,922	33,581	13.97%	4,115	29,466	74.91%	12,620
Halifax D	32,254	23.81%	6,202	26,052	14.51%	3,302	22,750	19.84%	3,766
Halifax E	16,148	12.12%	1,746	14,402	8.14%	1,084	13,318	24.76%	2,643
Subtotal	109,153	16.03%	15,076	94,077	10.98%	9,310	84,767	32.92%	20,993
% of Total	36.88%			33.87%			31.63%		
City of Halifax	113,577	0.89%	1,017	114,594	-2.79%	(3,288)	117,882	-3.40%	(4,153)
City of Dartmouth	65,243	4.76%	2,966	62,277	-4.69%	(3,064)	65,341	0.88%	571
Town of Bedford*	8,010	18.19%	1,233	6,777					
Subtotal	186,830	2.84%	5,216	183,648	-3.47%	(6,352)	183,223	-1.92%	(3,582)
% of Total	63.12%			66.13%			68.37%		
Total	295,983	7.31%	20,292	277,725	1.10%	2,958	267,990		17,411

* The Town of Bedford was not incorporated until 1980.

Table 27 : 1961-86 Population Changes in Halifax Metropolitan Area - Part 2

Census Subdivision	1971 Popn.	1966-71 % Change	1966-71 Absolute Change	1966 Popn.	1961-66 % Change	1961-66 Absolute Change	1961 Popn.	Average Growth	Variance **
Halifax A	6,300	12.36%	693	5,607	11.67%	586	5,021	12.47%	0.03%
Halifax B	10,969	8.20%	831	10,138	12.72%	1,144	8,994	8.09%	0.17%
Halifax C	16,846	48.03%	5,466	11,380	25.63%	2,322	9,058	35.44%	5.41%
Halifax D *	18,984	-63.95%	(33,670)	52,654	18.41%	8,185	44,469	2.52%	11.13%
Halifax E	10,675	14.53%	1,354	9,321	12.89%	1,064	8,257	14.49%	0.31%
Subtotal	63,774	-28.42%	(25,326)	89,100	17.55%	13,301	75,799	9.81%	4.19%
% of Total	25.45%			37.97%			35.21%		
City of Halifax	122,035	40.61%	35,243	86,792	-6.18%	(5,719)	92,511	5.82%	3.08%
City of Dartmouth	64,770	10.26%	6,025	58,745	25.08%	11,779	46,966	7.26%	1.03%
Town of Bedford									
Subtotal	186,805	28.36%	41,268	145,537	4.34%	6,060	139,477	6.03%	1.33%
% of Total	74.55%			62.03%			64.79%		
Total	250,579			234,637			215,276	1.68%	0.08%

* Halifax D lost population to the City of Halifax during the 1966-71 inter-censal period.
** The variance gives a measure of the extent of the spread of the data about its average value; i.e., the larger the variance, the more spread-out are the values.

VII. CONCLUSION

Two major trends stand out in the population data which has been presented and analyzed throughout this report. First, the incorporated urban municipalities have been consistently declining in either relative or absolute terms when compared to the rural municipalities. Second, a core region of the province, surrounding and including Halifax County, has consistently exhibited the highest growth within the rural municipalities.

The poor growth record in the incorporated urban municipalities is evident in Table 13. Towns and cities (excepting the recently incorporated Town of Bedford) have collectively grown by 28,000 between 1961 and 1986; however, their share of the provincial: population declined from 47 to 43 percent over the same period. When the cities of Halifax nad Dartmouth are omitted, the urban total shows an absolute decline of 11,000 people or 5 percent. High urban property tax rates have often been cited as a main reason for this shift out of the towns and cities.

The maps in the report clearly indicate the centralized nature of population growth in the rural municipalities. Map 7 shows the 5 central counties (rural and urban combined) of Halifax, Hants, Colchester, Kings, and Lunenburg grew faster than the province over the 25-year period. Of the other 13 counties only Antigonish was in the same grouping. The more recent growth patterns in Maps 1 and 4 indicate a shift in high growth away from the South Shore (Lunenburg and Yarmouth in Map 4) to the Annapolis Valley (Annapolis County in Map 1).

Maps 2, 5, and 8 show the rural municipalities by themselves. There is still a centralized pattern, but with some shifts over time. Halifax, East Hants and Colchester are in the top one-fifth in terms of growth rates in all of the short, medium and long terms. Four others, however, show a change in trends. Yarmouth and Lunenburg are in this top one-fifth grouping in the medium and long terms (Maps 5 and 8) but drop into lower groupings in the short term (Map 2). Kings and West Hants rise from lower groupings in the medium and long term to the top one-fifth in the short term. Once again, a relative shift from the South Shore to the Annapolis Valley is indicated.

It is perhaps easier to focus on the reason for relative population shifts at the level of the census subdivision. In maps 3, 6, and 9, either 6 or 7 out of the top 10 subdivisions in terms of growth are in the Halifax CMA, East Hants, and Colchester. In Colchester, the southern part closest to Halifax shows consistently high growth. The metro-driven nature of provincial population growth becomes clear.

Outside of the Halifax to Truro central growth corridor, that part of Antigonish County surrounding and to the west of the Town of Antigonish and Kings County surrounding and south of Kentville form islands of consistently high growth. It would appear that economic activity in and around these two towns is engendering high population growth rates.

Yarmouth forms another island of high growth in the medium and long term, but it is replaced by the area around Annapolis Royal in the short term (Map 3). The sudden surge in Annapolis A following periods of slow growth or decline in the medium and long-term is likely due to the tidal power development at Annapolis Royal. The loss of islands of fast growth in Western Pictou County (Maps 6 and 9) probably reflects the worsened economic situation in several local industries in recent years.